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नई दिल्ली, शनिवार, अक्टूबर 26, 1974 (कार्तिक 4, 1896)

No. 43]

NEW DELHI, SATURDAY, OCTOBER 26, 1974 (KARTIKA 4, 1896)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग—III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 26th October 1974

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

19th September 1974

2083/Cal/74. Shell Internationale Research Maatschappij B. V. Process for the preparation of synthesis gas.

2084/Cal/74. Shell Internationale Research Maatschappij B. V. Process for the production of synthesis gas.

2085/Cal/74. Dr. C. Otto & Comp. GmbH. Apparatus for charging preheated coal into coke ovens.

2086/Cal/74. Institute po Metaloznancie I Technoilogia na Metalite. Method and device for the production of articles with a compact smooth skin and a cellular core from polymer materials.

2087/Cal/74. Siemens Aktiengesellschaft. A programme-controlled data switching system. (July 17, 1974).

2088/Cal/74. Siemens Aktiengesellschaft. Programme-controlled data switching systems. (July 26, 1974).

2089/Cal/74. Hoechst Aktiengesellschaft. Mono azo pigments process for their preparation and their application.

2090/Cal/74. Wavin B. V. Device for membrane filtration. (June 27, 1974).

20th September 1974

2091/Cal/74. Union Carbide Corporation. Novel separator for zinc chloride cells.

1-297GI/74

2092/Cal/74. The Bendix Corporation. A relay valve for limiting and modulating the fluid pressure in a spring brake actuator of a dual fluid circuit braking system.

2093/Cal/74. Bayer Aktiengesellschaft. Azo pigments.

2094/Cal/74. Synair Corporation. Flat free pneumatic tire and void free filling therefor.

2095/Cal/74. Eye sult Gyogyszeres Tapazergyar. Process for the preparation of new cycloalkanol derivatives. [Divisional date September 14, 1964].

2096/Cal/74. NI Industries Inc. Ceramic electronic devices.

2097/Cal/74. Spindel—, Motoren- Und Maschinenfabrik A. G. Spinning or plying spindle.

2098/Cal/74. Sociedad Anonima Alba, Fabrica De Pinturas, Esmaltes Y Barnices. A new cellular polymeric material, a process for its preparation and a coating material which contains such polymeric material.

2099/Cal/74. The Orchard Corporation of America. Decorative layer for high pressure laminated. [Divisional date August 2, 1971].

21st September 1974

2100/Cal/74. C. B. Murton. Method of applying refractory lining to metallurgical vessels.

2101/Cal/74. John Wyeth & Brother Limited. Process for the preparation of new hexahydroazepine derivatives. (August 16, 1968). [Divisional date August 6, 1969].

2102/Cal/74. Rohm and Haas Company. Stabilized polymers.

2103/Cal/74. Societe Anonyme Secmafer. Piston for high-pressure hydraulic machines.

2104/Cal/74. J. M. Noguera. Improvements in or relating to yarn spinning apparatus. (September 21, 1973).

- 2105/Cal/74. J. M. Noguera. Improvements in or relating to yarn spinning apparatus. (September 21, 1973).
- 2106/Cal/74. Zelacolor Systems Establishment. A photographic device for obtaining colour separations from transparent colour film or real subjects.
- 2107/Cal/74. Veb Polygraph Leipzig. Kombinat für Polygraphische Maschinen und Ausrüstungen. Arrangement of rolls for offset printing machines.
- 2108/Cal/74. V. Karail. Improvements in or relating to fluorescent tube light system.

23rd September 1974

- 2109/Cal/74. Council of Scientific And Industrial Research. Improvements in or relating to recovery of selenium from copper refinery slimes.
- 2110/Cal/74. B. Kaur. Patassa making machine.
- 2111/Cal/74. Development Consultants Private Limited. Improvements in or relating to vacuum tanks.
- 2112/Cal/74. The Lucas Electrical Company Limited. Sensor for a motor vehicles. (September 29, 1973).
- 2113/Cal/74. The Lucas Electrical Company Limited. Lamp reflectors and motor vehicles lamp assemblies incorporating same. (September 29, 1973).
- 2114/Cal/74. The Lucas Electrical Company Limited. Headlamp tilting system. (September 29, 1973).
- 2115/Cal/74. Imperial Chemical Industries Limited. Electrolytic cells. (September 24, 1973).
- 2116/Cal/74. Westinghouse Electric Corporation. Damper winding for turbine generator rotors.
- 2117/Cal/74. Nilux Holding Societe Anonyme. Extracting copper from sulphide concentrates.
- 2118/Cal/74. The Metal Box Company Limited. Capping machine. (September 27, 1973).
- 2119/Cal/74. Instytut Cieskiej Syntezy Organicznej "Blachownia". Method for oxidation of p-xylene and p-methyl toluylate.
- 2120/Cal/74. Institut Sverkhtrverdykh Materialov Akademii Nauk Ukrainskoi Ssr. Superhard material.

24th September 1974

- 2121/Cal/74. Castrol Limited. Hydraulic fluids. (September 25, 1973).
- 2122/Cal/74. Bayer Aktiengesellschaft. Cationic dyestuffs.
- 2123/Cal/74. Sherritt Gordon Mines Limited. Treatment of lead sulphide bearing material. (October 2, 1973).
- 2124/Cal/74. Butlers Limited. Lamp assembly. (September 29, 1973).
- 2125/Cal/74. Dr. Satish Chander Gupta. An uniocular indirect ophthalmoscope.
- 2126/Cal/74. Flitex-Zavody textilniho strojirenstvi, generalni reditelstvi. Method of and device for interrupting yarn in a sucking channel.
- 2127/Cal/74. Sun Ventures, Inc. Ammoxidation process and catalyst.
- 2128/Cal/74. Sun Ventures, Inc. Ammoxidation process.
- 2129/Cal/74. 1. Gosudarstvenny Nauchno-Issledovatel'sky Institut Po Promyshlennoi I Sanitarnoi Ochistke Gazov, 2. Moskovskoy Gosudarstvenny Universitet Imeni M. V. Lomonosova and 3. Institut Yadernoi Energetiki. Method of processing waste gases containing sulphurous-acid anhydride.
- 2130/Cal/74. RCA Corporation. Digital synchronization system.
- 2131/Cal/74. Herculite Protective Fabrics Corporation. Dispenser for cockroach control.

- 2132/Cal/74. Ranks Hovis McDougall Limited. Improvements in or relating to the production of edible protein containing substances. (September 24, 1973).

- 2133/Cal/74. Toth Aluminum Corporation. Carbo-chlorination of aluminous materials.

- 2134/Cal/74. Fluidrive Engineering Company Limited. Fluid couplings.

25th September 1974

- 2135/Cal/74. The Associated Portland Cement Manufacturers Limited. Improvements in early strength cements. (October 2, 1973).

- 2136/Cal/74. Bayer Aktiengesellschaft. Process for the preparation of 7-amino- Δ^2 -cephem-derivatives.

- 2137/Cal/74. Johnson & Johnson. Stabilized tretinoin cream emulsion.

- 2138/Cal/74. G. Naderer. Concrete sleepers.

- 2139/Cal/74. Kautex-Werke Reinold Hagen GmbH. Apparatus for the production of hollow articles of thermoplastics material by a blowing process.

- 2140/Cal/74. R. K. Kohli. An electrically operated vehicle.

- 2141/Cal/74. Nuchem Plastics Limited. A process for the manufacture of urea formaldehyde resins.

- 2142/Cal/74. N. V. Philips' Gloeilampenfabrieken. Method of enveloping articles with thermoplastic strip material.

- 2143/Cal/74. N. V. Philips' Gloeilampenfabrieken. Low-pressure mercury vapour discharge lamp.

- 2144/Cal/74. Societe Alsacienne De Constructions Mecaniques De Mulhouse. Picking method for weaving machines having two cooperating grippers.

- 2145/Cal/74. Ampaglas S.p.A. Process and machine for wrapping and packaging items in stretchable foil material.

- 2146/Cal/74. Battelle Memorial Institute. Manufacture of filaments.

- 2147/Cal/74. Societe D'Etudes Scientifiques Et Industrielles De L'Ile-De-France. New process for the preparation of 2, 5 disubstituted benzamides.

- 2148/Cal/74. Gruppo Lepetit S.P.A. Process for preparing 5-iminomethyl-2-nitroimidazole derivatives. [Divisional date July 13, 1972].

- 2149/Cal/74. Gruppo Lepetit S.P.A. Process for preparing 2-nitroimidazoles derivatives. [Divisional date July 13, 1972].

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE (BOMBAY BRANCH)

11th September 1974

- 322/Bom/74. K. D. Pandya. Multifix furniture fixture device No. 1, (keyhole type).

- 323/Bom/74. K. D. Pandya. Multifix furniture fixture device No. 2 (triple action section).

12th September 1974

- 324/Bom/74. K. H. Nixon Limited. Post tensioning prestressing concrete anchorage for use in concrete beams and slabs etc.

- 325/Bom/74. A. R. Moholkar and S. D. Paranjape. Cup type pressure switch.

- 326/Bom/74. K. J. Panchal. Improved device for converting internal combustion engine into a compressed air pump.

- 327/Bom/74. V. Sharma. Improvements in or relating to rubber sheaths or condoms.

- 328/Bom/74. H. R. Vakil. An ophthalmic surgical instrument.

13th September 1974

329/Bom/74. V. S. Patel. Improvements in or relating to mains fuse box.

330/Bom/74. G. G. Patel. Improvements for increasing thermal efficiency of pressure stoves or like apparatus.

16th September 1974

331/Bom/74. M. S. Sonawane. Tryprove.

332/Bom/74. Hindustan Lever Limited. Crystal Modification.

ALTERATION OF DATE

136234. Ante-dated to May 9, 1972.
(1066/Cal/74).136251. Ante-dated to March 1, 1972.
(839/Cal/73).136252. Ante-dated to March 1, 1972.
(935/Cal/74).136253. Ante-dated to March 1, 1972.
(950/Cal/73).136254. Ante-dated to March 5, 1971.
(763/Cal/73).136261. Ante-dated to March 21, 1970.
(1319/72).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 55E₂+E₇ 81765.

PROCESS FOR PREPARING A THERAPEUTIC COMPOSITION.

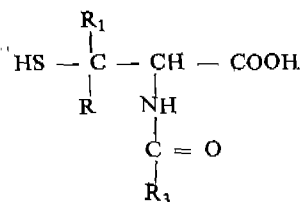
MEAD JOHNSON & COMPANY, OF EVANSVILLE, INDIANA, U.S.A.

Application No. 81765 filed April 13, 1962.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims—No drawings.

A process for preparing a therapeutic composition by admixing a chelating agent and a pharmaceutical carrier with an N-acylated sulphhydryl compound having the formula.



wherein R₁ and R₂ are each hydrogen or lower alkyl and R₃ is lower alkyl or phenyl.

CLASS 32F₁+F_{2b}.

107630.

PROCESS FOR THE PRODUCTION OF DL-6-PHENYL-2, 3, 5, 6-TETRAHYDROIMIDAZO [2, 1-b] THIAZOLE.

AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, U.S.A.

Application No. 107630 filed October 25, 1966.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A method of producing dl 6-phenyl-2, 3, 5, 6-tetrahydroimidazo [2, 1-b] thiazole characterized by heating d(+) 6-phenyl-2, 3, 5, 6-tetrahydromidazo [2, 1-b] thiazole or a L(—) 6-phenyl-2, 3, 5, 6-tetrahydromidazo [2, 1-b] thiazole with a strong non-aqueous base.

CLASS 32F₁+F_{2b}.

109534.

PROCESS FOR THE MANUFACTURE OF NEW BIOLOGICALLY ACTIVE DERIVATIVES OF PIPERAZINE.

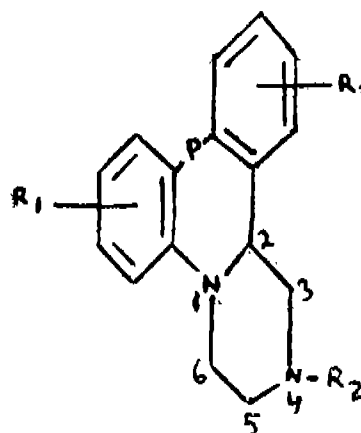
N. V. ORGANON, FOR KLOOSTERSTRAAT 6, OSS, THE NETHERLANDS.

Application No. 109534 filed March 1, 1967.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

Process for the manufacture of new piperazines of the general formula I.



in which

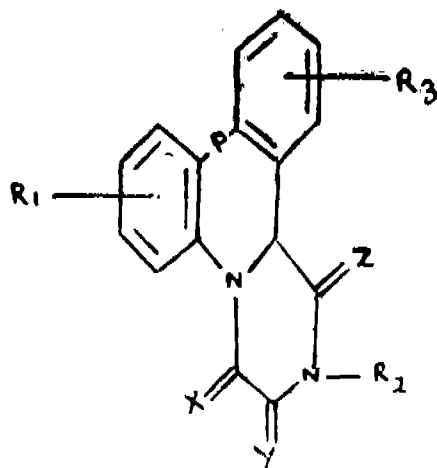
R₁ and R₃ represent hydrogen, halogen, hydroxy, a lower acyloxy, alkyl or alkoxy group or a trifluoromethyl group,

R₂ hydrogen, lower alkyl or aralkyl, an aminoethyl or aminopropyl group substituted in N by a lower alkyl group or a lower alkyl group with a nitrogen containing heterocyclic ring.

and

P a single bond, a methylene, ethylene or ethylidene group,

characterized in that the one or more keto groups of a compound of the general formula shown in Fig. 4.



in which R₁, R₂, R₃ and P have the meanings above indicated and X, Y and Z represent hydrogen (2H) or oxygen on the understanding that at least one of the moieties X, Y or Z stands for a keto group, are reduced in a known manner as herein described after which the compound thus obtained may be converted in a known manner as herein described into its acid addition salt.

CLASS 32F₃₀.

119495.

A METHOD OF PREPARING 1-β-D-ARABINOFURANOSYLCYTOSINE 5'-(1-ADAMANTANECARBOXYLATE).

THE UPJOHN COMPANY, OF 301 HENRIETTA STREET, KALAMAZOO, MICHIGAN, U.S.A.

Application No. 119495 filed January 21, 1969.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim—No drawings.

The method comprising reacting 1-adamantanecarboxylic acid halide with 1-β-D-arabinofuranosyleytosine in the presence of an organic base to form 1-β-D-arabinofuranosyleytosine 5'-O, N-bis (1-adamantanecarboxylate) and hydrolyzing in known manner such as herein described, the latter to produce 1-β-D-arabinofuranosyleytosine 5'-(1-adamantanecarboxylate).

CLASS 32-C.

122068.

PROCESS FOR THE ENRICHMENT OF POLYPEPTIDES.

BAYER AKTIENGESellschaft, FORMERLY KNOWN AS FARBENFABRIKEN BAYER AKTIENGESellschaft, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 122068 filed July 1, 1969.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for the enrichment of enzymes and enzyme inhibitors by reacting them in an aqueous solution with a soluble or insoluble carrier to form a complex from which the complex-forming substance is isolated after the complex has been purified and dissociated, the improvement which comprises introducing basic groups into an ion exchange resin employed as carrier in the enriching process with acid resins by adding to

the system of carrier and enzyme or of carrier and enzyme inhibitor aliphatic and/or aromatic polyamines in which only one amino group is free while all other amino groups are protected from acylation to render such resins electrostatically nearly neutral.

CLASS 32F₁+F₃₀.

129513.

SYNTHESIS OF 10, 11-DIHYDRO-5H-DIBENZO (A, D) CYCLOHEPTEN-5-ONES.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

Application No. 129513 filed December 5, 1970.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A method for the synthesis of 10, 11-dihydro-5H-dibenzo (a, d) cyclohepten-5-ones, starting from β-phenylethyl alcohols which are converted to isochromans by condensation with formaldehyde, paraformaldehyde or trioxane and hydrogen chloride, followed by oxidation of isochromans to isochroman-1-ones using agents such as nitric acid, selenium dioxide, chromic acid, and condensation of the isochroman-1-ones with substituted benzenes (as defined on page 2) using agents such as AlCl₃ BF₃ or poly phosphoric acid.

CLASS 32C & 55E₉+E₄+F.

132666.

PRODUCTION OF 6-AMINO-PENICILLANIC ACID.

BEECHAM GROUP LIMITED, OF BEECHAM HOUSE, GREAT WEST ROAD, BRENTFORD, MIDDLESEX, ENGLAND.

Application No. 132666 filed August 25, 1971.

Convention date August 27, 1970 (41262/70) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims—No drawings.

A process for preparing 6-amino-penicillanic acid, which comprises treating benzylpenicillin or a salt thereof in aqueous solution with a water-insoluble enzyme preparation which has been prepared by absorbing a deacylase enzyme known to split the amido group in penicillins on a water-insoluble absorbent material and rendering it water-insoluble by contacting it with water-soluble dialdehyde, said enzyme preparation having an enzyme activity as hereinbefore defined.

CLASS 174-D.

134300.

FASTENING DEVICE.

SUBHASH JANARDAN KAJAREKAR, 74, DALLAS BUILDING, BOLE ROAD, DADAR, BOMBAY 400028, MAHARASHTRA, INDIA.

Application No. 134300 filed January 17, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A fastening device comprises of a threaded nut and having inside tapped hole characterised in that a spring insert in the form of a coil spring having a diameter greater than that of the tapped hole, the said spring insert being fitted to the said hole with the help of a tang which after fitting is cut off at a notch, due to a spring action of the coil spring, it will grip on the thread of the tapped hole which prevents slipping of said spring insert being made from a diamond shape cross section wire of rust proof material to prevent from rusting.

CLASS 107B+H.

134512.

CONTROL APPARATUS FOR AN INTERNAL COMBUSTION ENGINE FUEL INJECTION SYSTEM.

JOSEPH LUCAS (INDUSTRIES) LIMITED, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Application No. 134512 filed February 5, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A control apparatus for an internal combustion engine fuel injection system which includes a shuttle metering device whereby the amount of fuel injected is variable by a control stop, comprises an edge cam pivotal about an axis, in response to a control which is operable during cold starting of an associated engine, a cam follower movable relative to the cam in response to the pressure in an intake manifold of the engine, a plunger engageable at one end thereof with the cam follower and co-acting with said control stop, latch means pivotally mounted on said cam and engageable with said one end of the plunger to restrict fuel supply to the engine, and abutment means engageable with the latch means to move the latter away from the plunger when said cam is moved in response to said control means biasing said latch means towards said engagement with the plunger and damping means operable to oppose movement of said latch means by said biasing means.

CLASS 24B+F.

134890.

IMPROVEMENTS IN AND RELATING TO SLIDING CALIPER DISC BRAKES.

GIRLING LIMITED, OF KINGS ROAD, TYSELEY, BIRMINGHAM 11, WARWICKSHIRE, ENGLAND.

Application No. 134890 filed March 9, 1972.

Convention date March 9, 1971 (6409/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A sliding caliper disc brake comprising a rotatable disc, a torque member for fixing to a vehicle, a caliper member straddling a minor portion of the periphery of the disc for moving friction pads disposed on opposite sides of the disc into braking engagement with the disc, motor means in the caliper member for directly urging one pad onto one side of the disc to cause the caliper member to slide relative to the torque member to apply by reaction the opposite pad to the other side of the disc, means for mounting the caliper or the torque member said means including a sliding connection between the caliper member and the torque member comprising a slide element which has a sliding surface in sliding engagement with a wall of an opening in one of said members, fastening means releasably fastened to said slide element to releasably fix said slide element to the other of said members, and sealing means extending between said slide element and said one of said members and covering said sliding surface even when the caliper member is separated from the torque member.

CLASS 5-D.

135072.

APPARATUS FOR GROWING PLANTS HYDROPONICALLY IN A SUBSTANTIALLY AUTOMATICALLY CONTROLLED ENVIRONMENT.

HYDROCULTURE, INC., OF 10014 WEST GLENDALE AVENUE, GLENDALE, ARIZONA, U.S.A.

Application No. 135072 filed March 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

Apparatus for growing plants hydroponically in a substantially automatically controlled environment comprising, in combination, a growing enclosure including at least one plant growing area, means for supplying nutriment to plants in said area, means to evaluate the sufficiency of nutriment supplied to said plants, and means translucent to actinic solar radiation defining the outer surface of said enclosure, and a climate control system for the enclosure comprising a first means for circulating air present within the interior of said enclosure, a second means for introducing air flow into said enclosure, and a third means responsive to the humidity of the air within said enclosure for introducing additional humidity into said enclosure from a water-wetted source when said temperature and said humidity vary from a preselected value, characterized in that said second means includes a thermostat responsive to the temperature of the air circulating within said enclosure by said first means for discontinuing the operation of said first means and means to introduce and maintain a cooling ambient

air flow into, through and from said enclosure when said temperature within said enclosure rises above a first preselected upper value and independently of the humidity of the air circulating within said enclosure; and said third means includes thermostat and humidistat circuits responsive to the temperature and humidity of the air flow within said enclosure and means responsive to said circuits for introducing and maintaining a flow of cooled and humidified ambient air into, through and from said enclosure when said temperatures rises above a second upper value and said humidity falls below said preselected humidity value while maintaining said first flow of ambient air, and discontinuing said second flow when said humidity exceeds said preselected value.

CLASS 68D+E, 69-I & 103.

135127.

A DEVICE FOR CLEANING OXIDIZED ELECTRICAL CONTACTS.

LUCAS-TVS LIMITED, PADI, MADRAS-50, TAMIL NADU, INDIA.

Application No. 135127 filed April 1, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims.

A device for cleaning oxidized electrical contacts characterised in that it comprises a convertor for converting direct current into alternating current pulses; a d.c. source whose voltage is impressible on the input terminals of the said convertor; a step-up transformer (incorporated in the convertor circuit) for stepping up the alternating current voltage output of said convertor to a high value; a rectifier connected to the output terminals of said convertor for rectifying the said high voltage output thereof to a high d.c. voltage form; a capacitor of high voltage rating which is capable of being charged by the said rectifier; means adapted to connect the terminals of said capacitor to the oxidized electrical contacts to be cleaned, for enabling the said capacitor to discharge across the said contacts.

CLASS 40F & 130F+I.

135195.

METHOD AND APPARATUS FOR CONTINUOUSLY DIGESTING BAUXITE.

VEREINIGTE ALUMINIUM-WERKE AKTIENGESELLSCHAFT, OF 48 GERICHTSWEG, 53 BONN, FEDERAL REPUBLIC OF GERMANY.

Application No. 135195 filed April 7, 1972.

Convention date February 10, 1972 (6343/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method of continuously digesting bauxite with sodium aluminate liquor in a digester tube at pressures of from 10 to 200 atmospheres and at temperatures of from 150 to 300°C, wherein a suspension of bauxite in aluminate liquor is conducted in sustained turbulent flow through the digester tube at a speed of from 0.5 to 7 metres/sec., and the suspension is heated to different temperatures in different portions of the length of the tube by means of heat exchangers, the sizes of which are in accordance with said different temperatures.

CLASS 36B.

135307.

IMPROVEMENTS IN OR RELATING TO ELECTRIC FANS.

CROMPTON GREAVES LIMITED, AT KANJUR, BHANDUP, BOMBAY 78, INDIA.

Application No. 135307 filed April 17, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims.

An electric fan comprising of an internal stator and external rotor carrying fan blade or blades and arranged coaxially with the stator characterised in that the stator is arranged to be supported on a shaft or stationary hub which is mounted on

the shaft and wherein the rotor of the fan motor is made integral with bearing housings on one side of the stator.

CLASS 36B. 135308.

IMPROVEMENTS IN OR RELATING TO ELECTRIC CEILING FANS.

CROMPTON GREAVES LIMITED, AT KANJUR, BHANDUP, BOMBAY 78, INDIA.

Application No. 135308 filed April 17, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

An Electric Fan comprising of an internal stator and external rotor carrying fan blade or blades and arranged coaxially with the stator wherein the stator is arranged to be supported on a shaft or stationary hub mounted on the shaft which stationary hub incorporates receptacles to carry lighting or perfuming systems, condensers and terminal blocks and the rotor of the fan motor being either fixed separately or die-cast integrally with a bearing bracket consisting of two or three legged bracket partly or completely covered and on which are screwed or rivetted a top housing bearing which houses either ball or bush bearing and a bottom housing bearing both so screwed or rivetted on the bracket preferably on one side of the stator.

CLASS 36B. 135309.

IMPROVEMENTS IN OR RELATING TO ELECTRIC FANS.

CROMPTON GREAVES LIMITED, AT KANJUR, BHANDUP, BOMBAY 78, INDIA.

Application No. 135309 filed April 17, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

An electric fan comprising of an internal stator and external rotor carrying fan blade or blades and arranged coaxially with the stator wherein the stator is arranged to be supported on a shaft or stationary hub mounted on the shaft characterised in that rotor of the fan motor is fixed to or die-cast to a bracket and a single piece bearing housing accommodating two bearings is connected to the bracket.

CLASS 36B. 135310.

IMPROVEMENTS IN OR RELATING TO SUSPENSION SYSTEM IN ELECTRIC FANS.

CROMPTON GREAVES LIMITED, AT KANJUR, BHANDUP, BOMBAY 78, INDIA.

Application No. 135310 filed April 17, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

Claim 1.

Suspension system for electric fans comprising a suspension tube characterised in that the suspension tube is adapted to hold condenser (2) and terminal block (3) either at the shackle end or at the fan motor end in receptacles formed on the tube itself which is further adapted to be directly coupled to the fan shaft thus eliminating separate coupling.

CLASS 17E & 83A. 135347.

A PROCESS FOR THE PRODUCTION OF COMPRESSED AND ACTIVE DRY BAKER'S YEAST BY MOLASSES FERMENTATION.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Application No. 135347 filed April 19, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.—No drawings.

A process for the production of compressed and active dry baker's yeast from molasses containing 30—60 per cent of fermentable sugar by cultivating a strain of *Saccharomyces cerevisiae* which is biologically stable and unaffected by long shelf life and thermal drying and the cultivation being done at 30°C in aqueous nutrient medium containing 1 to 10 per cent molasses, assimilable nitrogen source such as ammonium salts, ammonium phosphate at 0.1 to 1 per cent concentration, assimilable phosphate source such as potassium or sodium—phosphate at 0.1 to 1 per cent concentration, 0.01 to 0.3 per cent magnesium salts and growth factors in the form of corn steep liquor at 0.001 to 0.3 per cent level wherein the pH of the fermentation broth was maintained at 5.0 to 5.5 by adding NH₄OH solution.

CLASS 154G. 136219.

PRESSURE-SENSITIVE COPYING SYSTEMS.

WIGGINS TEAPE RESEARCH & DEVELOPMENT LIMITED, OF GATEWAY HOUSE, 1, WATLING STREET, LONDON, E. C. 4, ENGLAND.

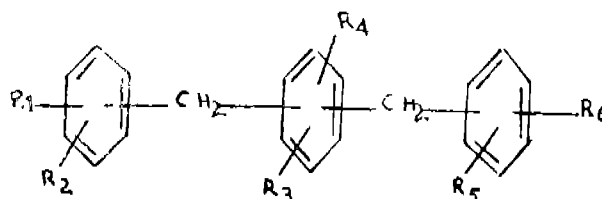
Application No. 1404/72 filed September 13, 1972.

Convention date September 23, 1971 (44474/71) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A sheet for use in a pressure-sensitive copying system of the kind defined above, comprising a base sheet carrying coating of the microcapsules, each microcapsule containing an organic, initially colourless, colour-former, dissolved in a solvent which includes one or more dibenzylbenzenes of the general formula shown in Fig I.



wherein R₁ to R₆ each represent hydrogen, an alkyl group containing less than 5 carbon atoms or an alkaryl group containing 7 or 8 carbon atoms.

CLASS 63-J. 136220.

TRANSDUCERS.

C. A. V. LIMITED, OF WELL STREET, BIRMINGHAM, 19, ENGLAND.

Application No. 1005/72 filed July 28, 1972.

Convention date July 31, 1971 (36123/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A transducer including a stator formed of a magnetisable material and arranged to define at least one pair of adjacent pole pieces, a rotor formed of a magnetisable material and arranged to define at least one pole piece, said rotor being movable angularly with respect to said stator from a first position, in which said one rotor pole piece is aligned with but spaced from one of said pair of stator pole pieces by a predetermined air gap, to a second position, in which said one rotor pole piece is aligned with but spaced from the other of said pair of stator pole pieces by a predetermined air gap, an energising winding for connection to an a.c. source and magnetically coupled with said rotor, and an output winding surrounding one of said pair of stator pole pieces, whereby on energisation of said energising winding, angular movement of said rotor varies the relative flux densities in said pair of stator pole pieces, and hence the voltage induced in said output winding will be dependent upon the angular position of said rotor.

CLASS 80-E.

136221.

11 Claims

VALVELESS FILTER.

JAHAR LAL BOSE, VILLAGE NARENDRAPUR, P.O. MUNSHIRHAT, DIST. HOWRAH, WEST BENGAL, INDIA.

Application No. 1380/72 filed September 11, 1972.

Addition to No. 111300.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Improvement in or modification of the valveless filter claimed in Indian Patent Specification No. 111300 characterised by that the strainer provided at the bottom and of the outlet pipe consists of a small vertical tube from which bifurcates a series of horizontally disposed tubular legs, the said legs being provided with narrow slots wherein each such slot is of such fine and narrow width that it permits the entry of filtered water but prevents the entry of granular filtering materials therethrough.

CLASS 32-C & 55E_a+E_c.

136222.

METHOD FOR COLLECTING ALOE JUICE.

TAKASAGO PERFUMERY CO., LTD., OF NO. 4-1, HATCHOBORI 1-CHOME, CHUO-KU, TOKYO, JAPAN.

Application No. 2186/Cal/73 filed September 26, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims—No drawings.

A method for collecting aloe juice, which comprises crushing the entire leaves of the aloe or the fleshy part (mesophyll) of the leaves of the aloe obtained by peeling the skin from the leaves, adding amylase to the crushed product and allowing the amylase to act on the crushed product, and then separating the aloe juice from insoluble substances.

CLASS 155F₁.

136223.

A PROCESS FOR THE MANUFACTURE OF CEMENT WATERPROOFING COMPOSITION.

SACHINATH SAHA, 12, DALHOUSIE SQUARE EAST, CALCUTTA-1, WEST BENGAL, INDIA.

Application No. 1559/72 filed October 4, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims—No drawings.

A process for the manufacture of a cement waterproofing composition, more particularly a composition to be integrally mixed with cement to render the same waterproof, which comprises mixing sulphite lye with Magesium stearate for a specified period of time 30 to 40 minutes, adding whiting, allowing the mixture to settle for a specified period of time 55 to 65 minutes, filtering and washing the filtrate so obtained with deionized water, adding asbestos fibres followed by adding slowly to the said asbestos fibres mixed composition fresh quantity of deionized water heated to 90°C or to a predetermined temperature depending on the quantity of materials used and thoroughly mixed with Benzoic acid until the constituent members of the composition are thoroughly diffused into an integral waterproof cement composition.

CLASS 32F_{ab}+F_{ad}.

136224.

PROCESS FOR THE PREPARATION OF CYCLOPENTANE DERIVATIVES.

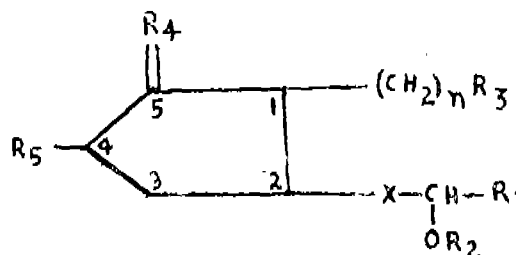
MAY & BAKER LIMITED, OF DAGENHAM, ESSEX ENGLAND.

Application No. 517/72 filed June 13, 1972.

Convention date June 14, 1971 (27844/71) U.K.

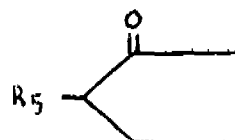
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Process for the preparation of cyclopentane derivatives of the general formula shown in Figure I.



(wherein R₁ represents a straight- or branched-chain alkyl group containing from 1 to 10 carbon atoms, which may be substituted by an alkoxy group, or represents a cycloalkyl group containing from 5 to 7 carbon atoms, or an adamantyl group, R₂ represents a hydrogen atom, an alkyl group, or a carboxylic acyl group, R₃ represents a carboxy group, a straight or branched-chain alkoxycarbonyl group containing from 1 to 12 carbon atoms in the alkoxy moiety, or a carbamoyl or carbazoyl group which is unsubstituted or substituted by one or two alkyl groups, R₄ represents an oxygen atom, a hydroxyimino or alkoxyimino group, or a hydrazono group which is unsubstituted or substituted by one or two alkyl groups, R₅ represents an alkyl group or a hydrogen atom, X represents a trans-vinylene or an ethylene group, and n represents 5, 6, 7 or 8) which comprises

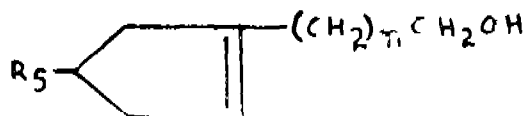
(i) reacting an anamine of a cyclopentanone of the general formula shown in Figure II.



(wherein R₅ is as hereinbefore defined) with an aldehyde of the general formula

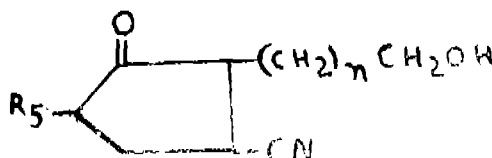


(wherein R₆ represents a hydrogen atom or a tetrahydropyranyl group optionally substituted by at least one alkyl group and n is as hereinbefore defined) followed by hydrolysis in aqueous acid conditions and then heating the product with an acid to form a 2-hydroxyalkyl-cyclopent-2-en-1-one of the general formula shown in Figure III



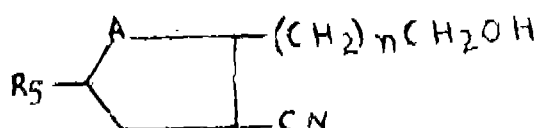
(wherein R₅ and n are as hereinbefore defined),

(ii) reacting the 2-hydroxyalkyl-cyclopent-2-en-1-one with a source of hydrogen cyanide to form a ketonitrile of the general formula shown in Figure IV.

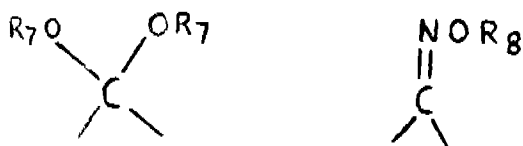


(wherein R₅ and n are as hereinbefore defined),

(iii) reacting the ketonitrile with an alcohol or diol in the presence of an acidic catalyst with continuous removal of water or with an alkoxyamine in the presence of a base to form a ketal or oxime of the general formula shown in Figure V

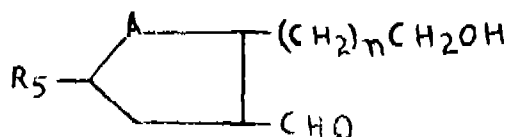


(wherein A represents a group of the general formula shown in Figure



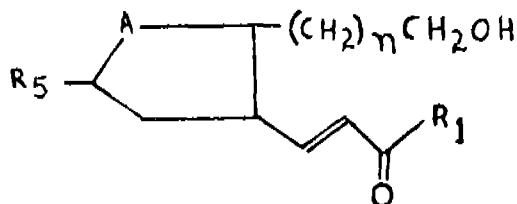
in which the symbols R_7 represents identical alkyl groups or together form an ethylene linkage unsubstituted or substituted by identical alkyl groups on each carbon atom, R_8 represents an alkyl group and R_7 and n are as hereinbefore defined).

(iv) reducing the ketal or oxime with a complex metal reducing agent to convert the cyano group to a formyl group to give a 2-(hydroxyalkyl) cyclopentanecarbaldehyde of the general formula shown in Figure VI.



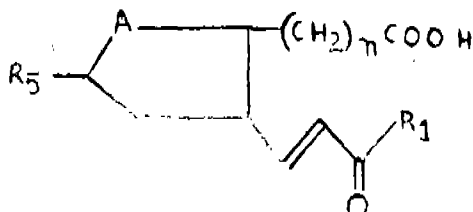
(wherein R_5 , n and A are as hereinbefore defined),

(v) reacting the 2-(hydroxyalkyl) cyclopentanecarbaldehyde with a hydrocarbylcarbonylmethylene triphenyl- or trialkyl phosphorane of the general formula $Q_3P=CH-CO-R_1$ (wherein Q represents a phenyl group unsubstituted or substituted by a lower alkyl group, or represents a lower alkyl group, and R_1 is as hereinbefore defined) to form an unsaturated ketone of the general formula shown in Figure VII.



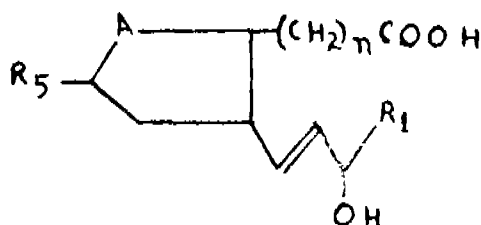
(wherein R_1 , R_5 , n and A are as hereinbefore defined),

(vi) oxidising by means of chromium trioxide and sulphuric acid in an inert organic solvent the unsaturated ketone to convert the hydroxymethyl group to carboxy without affecting the carbon-carbon double bond or the group A to a cyclopentanealkanoic acid of the general formula shown in Figure VIII.

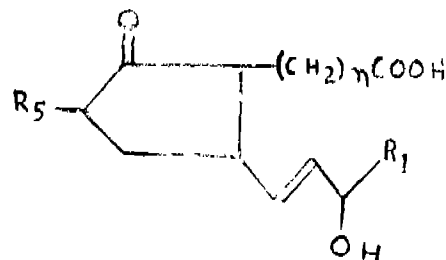


(wherein R_1 , R_5 , n and A are as hereinbefore defined),

(vii) reducing by means of a metal borohydride the oxo-group in the cyclopentanealkanoic acid to a hydroxy group without affecting the carbon-carbon double bond to form a (hydroxyalkenyl) cyclopentyl-alkanoic acid of the general formula shown in Figure IX.



(wherein R_1 , R_5 , n and A are as hereinbefore defined), and (viii) converting the ketal group A in the (hydroxyalkenyl) cyclopentylalkanoic acid by aqueous acid hydrolysis, or the oxime group by treatment with an aqueous solution of titanium trichloride, to a carbonyl group to yield a 5-(3-hydroxyalkenyl)-2-oxocyclopentylalkanoic acid of the general formula shown in Figure X.



(wherein R_1 , R_5 , and n are as hereinbefore defined), and if desired converting by a known method as herein described a product of the general formula shown in Figure X so obtained into another cyclopentane derivative of the general formula shown in Figure I.

CLASS 40F.

136225.

CHLORINE DIOXIDE GENERATING SYSTEM.

HOOKE CHEMICAL CORPORATION, OF NIAGARA FALLS, NEW YORK STATE, U.S.A.

Application No. 177/72 filed May 11, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

An apparatus for the preparation of chlorine dioxide, chlorine, and an alkali metal salt including :

- a generator-evaporator-crystallizer reaction tower consisting of a sidewall, a convex top and a concave bottom, said sidewall being provided with inlet means for the introduction of reactants and water, outlet means for the removal of gaseous reaction products and water vapor, separate outlet means, having a titanium surface, for the removal of crystalline alkali metal salt in the form of an aqueous slurry;
- a chlorine dioxide absorption tower including reaction gas inlet means in communication with said generator via said reaction gas outlet means, water inlet means, outlet means for an aqueous solution of ClO_2 , and outlet means for the non-absorbed reaction gas;
- a chlorine absorption tower including reaction gas inlet means in communication with said non-absorbed reaction gas outlet means of said chlorine dioxide absorption tower, water inlet means, and outlet means for an aqueous solution of chlorine;
- vacuum producing means; and
- a solid-liquid separator for said slurry of alkali metal salt in communication with said outlet means for alkali metal salt in said generator and a conduit from said solids separator to said chlorine dioxide generator to return liquid from said solids separator to said generator.

CLASS 57A+D.

136226.

AUTOMATIC DOOR CLOSER.

MICHEL POSTEL, OF C-12, DARSHAN APARTMENTS, MOUNT PLEASANT ROAD, BOMBAY-6, MAHARASHTRA STATE, INDIA.

Application No. 801/72 filed July 7, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

13 Claims.

A door closer comprising a mounting plate, a spring block having socket clamping means at each end thereof, one of said socket clamping means being fixed to said mounting plate and the other being rotatable relative thereto, said rotatable clamping means being provided with a laterally extending closure arm the remote end of which is adapted to bear against the surface of the door for closing said door.

CLASS 107B+K. 136227.

A COMBUSTION ENGINE.

FICHTEL & SACHS AG., 872 SCHWEINFURT AM MAIN, ERNST-SACHS-STRASSE 62, FEDERAL REPUBLIC OF GERMANY.

Application No. 617/72 filed June 20, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

A combustion engine comprising a motor gearing block with a cylinder having cooling vanes, a mixture forming device for forming an explosion mixture, an induction manifold for conveying the explosion mixture from the mixture forming device to the cylinder, a control element in the assembly consisting of the mixture forming device and the induction manifold a cooling air blower for the production of a current of cooling air flowing over the cylinder and a movably mounted valve which is prestressed into a position of rest by a spring system and can be deflected by the flow of cooling air and is connected with the control element via a transmission linkage, wherein the valve is mounted on the motor gearing block in the immediate vicinity of the cylinder provided with cooling vanes and on the induction side i.e. on that side of a reference plane containing the axis of the cylinder and substantially perpendicular to that of the induction manifold, which faces towards the mixture forming device.

CLASS 128K & 146D. 136228.

LIGHT PROJECTOR.

HANS RINDFLEISCH OF 8 MUNCHEN 2, HEDWIGSTR. 15, FEDERAL REPUBLIC OF GERMANY.

Application No. 493/72 filed June 9, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

Light projector designed as a hand-operated instrument with the lighting appliance accommodated in a casing, and consisting of lamp, concave reflector and blower as well as an attachment device for connection to a flexible photoconductor, characterized in that the light gathering system consists of a punctiform halogen lamp (3) and a parabolic concave reflector (5) adjustable to the coil (19) of the lamp (3) by means of screws (22) accessible from the outside and that there is a cap 11 for the casing, which is of larger diameter than casing 1 and forms and annular passage 10 between the cap 11 and the casing and that there is provided adjustable resistance 12 in the cap which is operable by a control knob 13.

CLASS 63C. 136229.

IMPROVEMENTS IN AND RELATING TO ELECTRICAL CONTACT BRUSH ASSEMBLIES.

MORGANITE CARBON LIMITED, OF BATTERSEA CHURCH ROAD, LONDON, S.W. 11, ENGLAND.

Application No. 127/72 filed May 4, 1972.

Convention date May 7, 1971 (13608/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

An electrical contact brush assembly comprising an electrically conductive brush body with a bottom face designed to contact a conductor and a top face in contact with a head

formed from a resiliently deformable material having a mechanical impedance of at least two thirds and not more than two times that of the brush body so that the interface between the brush body and the head is substantially acoustically transparent to incident compressive elastic waves that may be generated at the brush body bottom face by intermittent contact with the conductor.

CLASS 33F, 136E+F & 153. 136230.

PROCESS FOR THE MANUFACTURE OF SOLID OR HOLLOW BODIES, USED ESPECIALLY FOR CORING AND MOULDING IN FOUNDRY.

SOCIETE D'APPLICATIONS DE PRODUITS INDUSTRIELS ET CHIMIQUES, OF 32, RUE ANDRE CAYRON, 92 ASNIERES, FRANCE.

Application No. 1157/72 filed August 14, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims—No drawings

Process for the manufacture of solid or hollow bodies, used especially for coring and moulding in foundry, from a composition comprising at least one granular filler which is intimately mixed with at least one organic resin containing an acid curing agent, especially of the urea-formaldehyde, phenol/formaldehyde or furane type, characterised in that, after shaping and clamping the said composition, the curing of the latter is brought about, at ambient temperature and over a period of between a few seconds and a few minutes, by means of an aerosol or a gas obtained by combining sulphur dioxide and an oxidising agent, the said aerosol or gas, in the particular case of oxygen, being introduced, in the form of a gas separately or conjointly into the said composition, and in all other cases, either having been introduced first into the composition, or being initially combined with the sulphur dioxide to form a chemical compound which can be dissociated easily.

CLASS 107H. 136231.

LIQUID FUEL INJECTION PUMPING APPARATUS.

C.A.V. LIMITED, OF WELL STREET, BIRMINGHAM 19, ENGLAND.

Application No. 1303/72 filed August 31, 1972.

Convention date September 2, 1971 (40877/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A liquid fuel injection pumping apparatus of the kind specified and including a valve controlled vent passage in the body part and a vent conduit in the distributor member, said vent conduit communicating with the aforesaid fuel delivery passage and being arranged to communicate with said vent passage during the time when fuel is delivered by the injection pump, the arrangement being such that the valve in the vent passage can be opened to allow air to escape through said vent conduit.

CLASS 25B, 35E & 136E. 136232.

METHOD OF MANUFACTURING UNFIRED REFRACTORY ARTICLES.

ORISSA CEMENT LIMITED, OF RAJGANGPUR, DIST. SUNDARGARH, ORISSA, INDIA.

Application No. 1000/72 filed July 28, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims—No drawings.

A method of manufacturing unfired refractory articles which comprises forming a mixture of refractory aggregate with at least one water soluble or water miscible cold setting bond, moulding the mixture to desired shapes and then baking or drying the shaped masses which is characterised by the addition of 0.5 to 15% by wt. of graphite to the said refractory aggregate.

CLASS 33A.

136233.

SELF-ALIGNING AND FLEXING GUIDE-ROLL RACK FOR CONTINUOUS CASTING MACHINES.

USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, U.S.A.

Application No. 153/72 filed May 9, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A guide-roll rack for use in a continuous-casting machine, said rack comprising: a frame adapted to be supported in a stationary vertical position on the supporting structure of the machine; a relatively short upper section supported on said frame for limited horizontal movement; a relatively long lower section beneath said upper section and being formed of a plurality of individual subsections; and means suspending said lower section from said frame and allowing limited flexing of the lower section and the individual subsections thereof; said upper section and said subsections each including a cage and rolls journaled in said cage defining an aligned pass for confining a partially solidified casting.

CLASS 33A.

136234.

CONTINUOUS-CASTING MACHINE.

USS ENGINEERS AND CONSULTANTS, INC., OF 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, U.S.A.

Application No. 1066/Cal/74 filed May 15, 1972.

Division of Application No. 153/72 filed May 9, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A continuous-casting machine which comprises a fixed supporting structure, a mold-support frame carried by said structure, an open-ended water-cooled mold carried by said frame, means carried by said structure for oscillating said frame and said mold vertically, and a horizontally shiftable vertically stationary guide-roll rack carried by said structure beneath said mold, with cooperating means on said frame and said roll rack for maintaining said roll rack in alignment with said mold as said mold moves up and down while said roll rack is stationary.

CLASS 40F.

136235.

A SYSTEM FOR CARRYING OUT A HYDROCARBON CONVERSION PROCESS.

UNIVERSAL OIL PRODUCTS COMPANY, OF 10 UOP PLAZA-ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

Application No. 278/72 filed May 23, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A system for carrying out a hydrocarbon conversion process selected from the group consisting of catalytic reforming, ethylbenzene dehydrogenation, thermoc cracking, catalytic cracking, thermo hydrocracking, catalytic hydrocracking, isomerization, alkylation, and polymerization comprising:

- (a) at least two reactors in series through which the reactant stream passes;
- (b) a controller connected to each reactor for regulating at least one process condition affecting severity of reaction, selected from the group consisting of reactor temperature, pressure and an input fluid flow, each said controller having a set point;

(c) an analyzer for analyzing the effluent of the last downstream reaction zone;

(d) a performance indicator associated with said analyzing means and capable of generating a performance index signal;

(e) an optimizer connected to said performance indicator and comprising a computer capable of analyzing the performance index signal and generating a first or optimization signal for each reaction zone;

(f) a conversion controller connected to said analyzing means to generate a conversion specification or second signal for each reaction zone;

(g) means connected to said optimizer, to said conversion controller, and to said severity controller for combining said first signal with said second signal to generate a signal for each set point of said controller of step (b).

CLASS 32E.

126336.

A PROCESS FOR THE PRODUCTION OF PULLULAN.

HAYASHIBARA BIOCHEMICAL LABORATORIES, INCORPORATED, OF NO. 2-3, 1-CHOME, SHIMOISHII, OKAYAMA-SHI, OKAYAMA-KEN, JAPAN.

Application No. 2048/Cal/73 filed September 6, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims—No drawings.

A process for the production of pullulan by culturing a pullulan producing microorganism on a culture medium containing assimilable sources of carbon and nitrogen and minor nutrients necessary to the growth of said micro-organism, until pullulan having the molecular weight of 4,500,000 to 50,000 is formed with desired yield in said medium in a necessary culture period, by adjusting the pH value from 5 to 7.5 and/or the concentration of phosphate from 0.1 to 0.5% w/v in said culture medium, and recovering the formed pullulan from said medium.

CLASS 32A., 62C, & 154H.

136237.

PROCESS FOR PREPARATIONS OF NOVEL WATER-SOLUBLE MONOAZO DYESTUFFS.

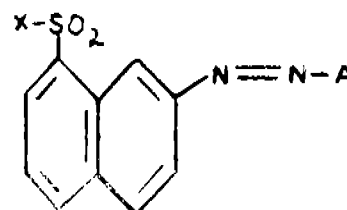
FARBWERKE HOECHT AKTIENGESellschaft FORMALS MEISTER LUCIUS & BRUNING, OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 1224/72 filed August 21, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

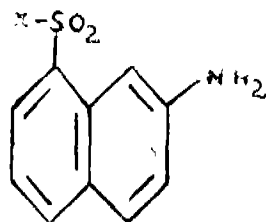
12 Claims.

A process for the manufacture of water-soluble monoazo-dyestuffs of the formula I.



in which X represents the grouping $-\text{CH}=\text{CH}_2$ or $-\text{CH}_2-\text{CH}_2-\text{Z}$, wherein Z stands for hydroxyl or an inorganic or organic radical such as herein defined capable of being split off by an alkaline agent, and in which A represents a radical of a coupling component of the phenyl, naphthyl, acetoacetylarylamide or pyrazole series containing at least one group

imparting solubility in water, wherein a naphthylamine of the formula II.



in which A is defined as above, is diazotized and coupled with an azo compound of the formula III.



in which A is defined as above and the obtained dyestuffs of the formula (1) are, if desired, converted.

- if X stands for $-CH_2-CH_2-OH$, into dyestuffs of the formula (1) in which X represents the grouping $-CH_2-CH_2-Z$, Z stands for an inorganic or organic radical such as herein defined capable of being split off by an alkaline agent,
- if X stands for the grouping $-CH_2-CH_2-Z$, in which Z represents hydroxyl or an inorganic or organic radical such as herein defined capable of being split off by an alkaline agent, into dyestuffs of the formula (1) in which X represents vinyl, or
- if X stands for the vinyl group into dyestuffs of the formula (1) in which X stands for β -thiosulfatoethyl or β -dialkylaminoethyl.

CLASS 144A.

136238.

A METHOD OF CONTROLLING THE STABILITY OF METAL COATING COMPOSITIONS.

AMCHEM PRODUCTS, INC., OF BROOKSIDE AVENUE, AMBLER, PENNSYLVANIA, U.S.A.

Application No. 539/72 filed June 14, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

59 Claims—No drawings.

A process for applying a coating of a film-forming material (as hereinbefore defined) to the surface of a metal susceptible to acid-etching by contacting the surface with a coating composition comprising the film-forming material dispersed, dissolved or emulsified in an aqueous phase containing an acid, capable of chemically attacking the surface of the metal under treatment, an oxidizing agent capable of oxidizing the metal ions produced by the attack of the acid upon the metal surface and a dispersing agent, for a period sufficient to enable acid attack upon the metal surface to generate metal ions which are oxidized by the oxidizing agent as they enter the aqueous phase to form destabilizing ions therein which tend to render the coating composition unstable and thus cause the coating composition to coagulate, in which the stability of the coating composition as a whole is maintained by removing metal ion so as to prevent the concentration of metal ion from building up, and optionally by adding dispersing agent to the coating composition continuously or intermittently so as substantially to match the metal ion concentration build-up, the effective concentration of destabilizing metal ions being maintained at not more than 1.5 grams per litre when dispersing agent is not added, and at not more than 3 grams per litre when dispersing agent is added.

CLASS 136E.

136239.

PRILLING PROCESS AND PRILLING HEAD USED THEREFOR.

FISONS LIMITED, OF FISON HOUSE, 9 GROSVENOR STREET, LONDON, ENGLAND.

Application No. 56/72 filed April 27, 1972.

Convention date May 8, 1971 (13893/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

28 Claims.

A process for prilling molten material containing ammonium nitrate and/or urea through a bore in the distributor plate of a prilling head characterised in that the interior surface of the bore is an epoxy resin surface.

CLASS 179A + G.

136240.

PRIMARY NURSER ASSEMBLY.

THE WEST COMPANY, OF PHOENIXVILLE, PENNSYLVANIA, U.S.A.

Application No. 372/72 filed May 31, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A primary nurser assembly for mounting over the opening in a container comprising a dam member spanning the opening and having a portion at least partially detachable to provide an access opening for discharge of the contents of the container, a nipple mounted in overlying relation to the dam, a pusher element disposed over the feeding tip of the nipple operable upon displacement toward said dam to effect partial detachment of said portion to permit withdrawal of the contents of the container, and an outer cover assembly hermetically sealing said elements.

CLASS 27L.

136241.

IMPROVING FLEXURAL STRENGTH IN FIBER-CONTAINING CONCRETE.

BATTELLE DEVELOPMENT CORPORATION, AT 505 KING AVENUE, COLUMBUS, OHIO, U.S.A.

Application No. 703/72 filed June 28, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

In a method of making a two-phase material that comprises preparing a concrete mix with fibres of a material having a modulus of elasticity of at least about 20 million psi substantially uniformly distributed therein with an average spacing between fibres of up to about 0.3 inch, the improvement of providing the two-phase material with at least a preselected flexural strength by including and distributing the fibres in the mix in the specific quantity that the ratio, b, of the average bond area of the fibres intersecting planes normal to the stress at known regions of highest tensile stress to the area of the planes is at least a predetermined value sufficient to provide the preselected flexural strength in said regions as herein described.

CLASS 32A, 62C, & 154H.

136242.

PROCESS FOR THE PREPARATION OF WATER-SOLUBLE MONOAZO DYESTUFFS.

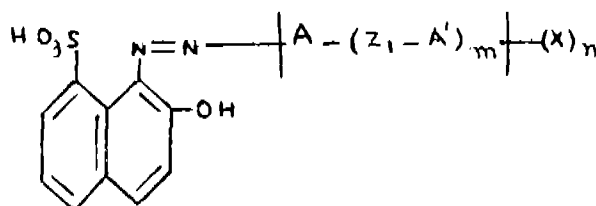
FARBWERKE HOECHST AKTIENGESellschaft VORMALS MEISTER LUCIUS & BRUNING, OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 120/72 filed May 3, 1972.

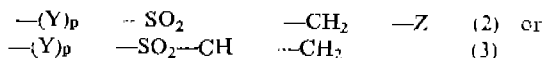
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

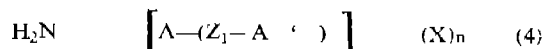
Process for the preparation of the dyestuffs of the formula I.



wherein Λ and Λ' represent radicals of the benzene series and Z_1 is a bivalent bridging member, X stands for a group bound to Λ and/or Λ' having the formula



Z represents an organic or inorganic radical capable of being split off by an alkaline agent, or a hydroxyl group, and Y represents ---CH_2 or $\text{---CH}_2\text{CH}_2$, m and p represent the number 0 or 1 and n is the number 1 or 2, which comprises coupling a diazotized amine of the general formula (4).



in which Λ , Λ' , Z_1 , m, X and n have the above meanings, with 2-hydroxynaphthalene-8-sulfonic acid, and if Z of formula (2) represents a hydroxyl group, converting this one into the corresponding sulfuric or phosphoric acid esters with the aid of sulfatation or phosphorylation agents, such as concentrated sulfuric acid, sulfuric acid containing sulfur trioxide (= oleum), chlorosulfonic acid, amidosulfonic acid, agents yielding sulfur trioxide, or concentrated phosphoric acid, pyrophosphoric acid, polyphosphoric acid, polyphosphoric acid alkyl esters, phosphorous oxychloride or mixtures of phosphoric acid and phosphorous-pentoxide.

CLASS 32F_{2b}.

136243.

PROCESS FOR THE PRODUCTION OF NEW DIHYDROPYRIDAZONES.

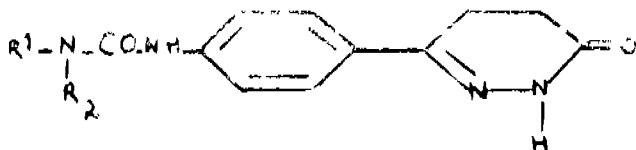
BADISCHE ANILIN- & SODA-FABRIK AKTIENGESELLSCHAFT, AT 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 1913/72 filed November 15, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A process for the production of a compound of the formula



or an acid addition salt of the same in which R^1 and R^2 are identical or different and each is hydrogen, a saturated or unsaturated linear or branched aliphatic or cyclo-aliphatic radical, an aryl or aralkyl radical which may bear a substituent on the aromatic ring, or a heteroaromatic radical, one of the radical R^1 and R^2 may be a radical attached by way of another nitrogen atom and R and R^2 together with the nitrogen atom which connects them may also be a heterocyclic ring which may contain one or more than one heteroatom and which may bear a substituent, wherein a compound of the formula VII shown in Figure.



in which R^1 and R^2 have the meanings given above or an ester thereof is cyclized with hydrazine and if desired converted into its acid addition salt in a known manner such as herein described.

CLASS 128B.

136244.

IMPROVEMENTS IN NAIL FOR TIBIA BONE.

ARVIND KESHAV TALWALKAR, 395, LAMINGTON ROAD, BOMBAY-4 (BR), MAHARASHTRA, INDIA.

Application No. 714/72 filed June 30, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

A nail which is used in nailing operation of Tibia of a human being having two different parts on visual observations.

- The upper part being straight and having a square punched hole.
- The lower part being curved and the curve being similar to that of marrow of the Tibia of a human being.

CLASS 108B+C.

136245.

A DESULFURIZING AGENT FOR A MOLTEN PIG IRON.

AIKOH CO., LTD., OF NO. 1-39, 2-CHOME, IKENO-HATA, TAITO-KU, TOKYO, JAPAN.

Application No. 62/72 filed April 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims—No drawings.

A desulfurizing agent for a molten pig iron which comprises 32 to 65% by weight of sodium carbonate, 5 to 45% by weight of sodium hydroxide and 10 to 30% by weight of water content.

CLASS 94A+G & 141D.

136246.

IMPROVED METHOD OF AND APPARATUS FOR PROCESSING MINERAL ORE CONTAINING FIBROUS MATERIAL TO REMOVE THE FIBROUS MATERIAL THEREFROM.

ALLIS-CHALMERS CORPORATION, OF 1126 SOUTH 70TH STREET, WEST ALLIS 14, WISCONSIN, U.S.A.

Application No. 1958/72 filed November 22, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A method of processing a mineral ore containing a desired mineral and an undesirable fibrous material, both associated with a gangue material, to remove the fibrous material and liberate the desired mineral, comprising the steps of:—

- initially treating the mineral ore to reduce it to a size suitable to form the input feed of a first grinding stage;
- subjecting the treated mineral ore at the first grinding stage to a relatively coarse grind sufficient to obtain liberation of substantially all of the undesirable fibrous material from the ore;
- subjecting the discharge from the first grinding stage to a screening action to separate the liberated fibrous material from the defibred ore; and
- subjecting the defibred and separated ore at a second grinding stage to a grind sufficient to liberate a required amount of the desired mineral from the remainder of the defibred ore.

CLASS 39L & 130-I.

136247.

NOBLE METAL RECOVERY METHOD.

FRITZ WALTER WANZENBERG, OF 9 CAMPBELL LANE, LARCHMONT, STATE OF NEW YORK, U.S.A.

Application No. 580/72 filed June 16, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

29 Claims.

A method of treating noble metal-containing, composite organic materials to produce therefrom elemental noble metals readily reducible noble metal oxides and salts, said method including treating a mass of said composite materials with a

salt water-immiscible, volatile organic solvent, a cleaning agent, removing at least a major portion of said solvent after said materials and said solvent have been in contact with each other, treating said composite materials with a strong oxidizing agent, heating said thus treated composite materials to at least about 200°C to remove substantially all of said oxidizing agent remaining after treatment of said materials, continuing to heat said materials at least about 200°C until said materials spontaneously ignite, allowing complete combustion of said materials, and collecting the solid combustion residues of said materials for subsequent reduction to the noble metals which formed the noble metal component of said composite materials.

CLASS 151C+F. & 155D.

136248.

COMPOSITE LAMINATE AND METHOD AND APPARATUS FOR MAKING SAME.

KAEMPEN INDUSTRIES, INC. OF 3202 LARKSTONE DRIVE, ORANGE, STATE OF CALIFORNIA, 92667, UNITED STATES OF AMERICA.

Application No. 850/72 filed July 12, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

50 Claims.

A corrugated laminate disposed on a horizontal axis thereof comprising

a first ply of tensioned and compacted continuous first filament strands extending generally in the direction of said axis,

a second ply of continuous and compacted second filament strands disposed transversely of and superimposed over said first ply to impose a substantially uniform load thereon to deflect said first ply into a generally concave parabolic configuration, when viewed in cross-section, relative to said axis, and

hardened adhesive means impregnating and bonding said first and second plies together to maintain them in said generally concave parabolic configuration.

CLASS 32F+F₂.

136249.

A PROCESS FOR PREPARING NEW 2, 4, 5-TRISUBSTITUTED OXAZOLES.

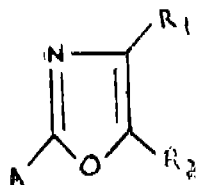
GRUPPO IEPETIT S.P.A., OF 8, VIA ROBERTO LEPE-TIT, MILAN, ITALY.

Application No. 2010/72 filed November 28, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

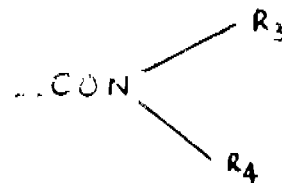
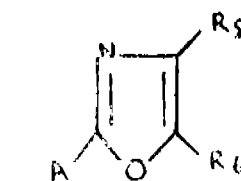
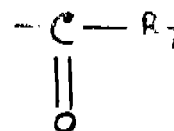
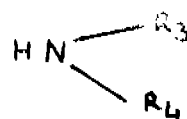
A process for preparing a compound of the formula I.



wherein A is cyclohexyl, thienyl or a radical of the formula shown in Fig. I.



Wherein R represents one or more substituents each of them independently selected from the group consisting of hydrogen, lower alkyl, halogen, halogen-lower alkyl, lower alkoxy, nitro, cyano, amino, carbamyl, acetamino or carboxy; one of the

radicals R₁ and R₂ represents a lower alkyl group and the other a group of the formula shown in Fig. 2.wherein R₁ is independently selected from the group consisting of hydrogen, lower alkyl, lower alkenyl, cycloalkyl, aryl, aryl-lower alkyl, hydroxy-lower alkyl, acyloxy-lower alkyl, hydroxy, amino, lower alkylideneamino, cycloalkylideneamino, aralkylideneamino, R₁ is independently selected from hydrogen, lower alkyl, lower alkenyl, cycloalkyl, aryl, aryl-lower alkyl, hydroxy-lower alkyl, acyloxy-lower alkyl, or R₃ and R₄ taken together may also form with the nitrogen atom a 5 to 7 membered heterocyclic ring which may contain other heteroatoms selected from N, O and S, which comprises reacting a compound of the formula II.wherein A has the same meaning as before, and one of the group R₅ and R₆ is lower alkyl and the other a group of the formula III.wherein R₇ may be a halogen atom or a lower alkoxy group, with an amine of the formula IV.in which R₉ and R₁₀ have the meanings given above.

CLASS 32E.

136250.

METHOD FOR CATALYTIC POLYMERIZATION AND COPOLYMERIZATION OF OLEFINS.

INSTITUT KHIMII NEFTI I PRIRODNYKH SOLEI AKADEMI NAUK KAZAKHSSKOI SSR, OF FURIEV, UL'ISA OSIPENKO, 47, USSR.

Application No. 600/72 filed June 19, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims—No drawings.

A method for catalytic polymerization and copolymerization of olefins in a hydrocarbon or chlorinated solvent media in the presence of a catalytic system represented by VC1₄ mixed with metallo-organic compounds characterised in that the VC1₄ is used in the form of a solvent in SiCl₄.

CLASS 73 & 155A.

136251.

A SIZE- CIRCULATION DEVICE FOR SIZING MACHINES IN THE TEXTILE INDUSTRY.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Application No. 839/Cal/73 filed April 10, 1973.

Division of Application No. 131605 filed March 1, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A device for size circulation for sizing machines in textile industry which comprises a suction pipe connected to the suction end of a size circulation gear pump, a delivery pipe connected to the delivery end of the size circulation gear pump, the suction pipe and the delivery pipe are applied to the size box of a sizing machine containing size mixture, and the size circulation gear pump is connected to a motor whereby when the gear pump is operated by the motor, the gears of the gear pump rotate, thereby the size mixture is sucked in by the suction pipe, passes in between the gears of the gear pump, and flows out through the delivery pipe, and circulation of the size mixture is thereby created.

CLASS 73 & 155A.

136252.

A DRYING CYLINDERS TEMPERATURE CONTROL DEVICE FOR SIZING MACHINES IN THE TEXTILE INDUSTRY.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Application No. 939/Cal/73 filed April 21, 1973.

Divisional of Application No. 131605 filed March 1, 1972.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A device for controlling the temperature of the drying cylinder/s of a sizing machine comprising a thermostat having a capillary or transmission tube, the thermostat is fitted on the main steam line, a control valve comprising a valve chamber and a plunger with a steam inlet and steam outlet, the control valve is connected to a by pass steam pipe line, the by pass steam line is connected to the main steam pipe line of the sizing machine whereby, when the temperature of drying cylinder/s in the sizing machine rises beyond a predetermined level, the thermostat expands, thereby pushing up the plunger, narrowing or closing the steam passage in the valve chamber resulting in temperature drop in the drying cylinder/s, and when the temperature falls below the predetermined level, the thermostat element contracts, thereby lowering the plunger and increasing the opening of the steam passage in the valve chamber, resulting in temperature increase in the drying cylinder/s.

CLASS 73 & 155A.

136253.

A SIZE-BOX TEMPERATURE CONTROL DEVICE FOR CONTROLLING THE TEMPERATURE OF SIZE SOLUTION IN THE SIZE-BOX OF SIZING MACHINES IN THE TEXTILE INDUSTRY.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Application No. 950/Cal/73 filed April 23, 1973.

Division of application No. 131605 filed March 1, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A size box temperature control device for controlling the temperature of size solution in the size-box of sizing machines in the textile industry comprising a thermostat having a capillary or transmission tube, the thermostat is placed in the size box, a control valve comprising a valve chamber and plunger with a steam inlet and steam outlet, is connected on a by pass steam pipe line and the by pass line is connected to a main steam pipe line of the sizing machine whereby when temperature of the size solution in the sizing machine rises beyond a predetermined level the thermostat expands, thereby pushing up the plunger, narrowing or closing the steam passage in the valve chamber resulting in temperature drop in the sizing solution and when the temperature falls below a predetermined level, the thermostat element contracts, thereby lowering the

plunger and increasing the opening of the steam passage in the valve chamber resulting in temperature increase in this solution.

CLASS 34A, 62D, 144D & 152E.

136254.

A PROCESS FOR OPTICAL BRIGHTENING OF ORGANIC MATERIALS.

FARBWERKE HOECHST AKTIENGESELLSCHAFT VORMALS MEISTER LUCIUS & BRUNING, OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

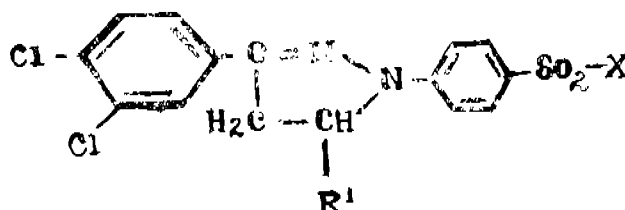
Application No. 763/Cal/73 filed April 3, 1973.

Division of Application No. 130488 filed March 5, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A process for the optical brightening of organic materials viz. lacquers or synthetic fibers for example those made from acetyl cellulose, polyamide, polyurethanes, polyacrylonitrile as well as of films, foils, strips or like shaped articles made from these compounds which comprises contacting said materials with a compound of the formula



in which R stands for an alkyl group of 1 to 4 carbon atoms, R' stands for a hydrogen atom, a phenyl group or a sulfo substituted phenyl group and X stands for an aliphatic saturated or mono-ethylenically unsaturated radical.

CLASS 128F.

136255.

TRANSFUSION EQUIPMENT OR APPARATUS.

NIRANJAN DEY, C/O. UNITED SUPPLIERS & CO., 32, SAHEED SUBAL ROAD, G.P.O. BOX 501, CHITTAGONG/ BANGLADESH.

Application No. 404/Cal/73 filed February 23, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A transfusion equipment or apparatus used in the medical profession comprising a container having a spout, a diaphragm fitted at the spout which diaphragm is capable of being punctured, a bottle needle unit of tubular section having a puncturing needle at one end, a slot in the said tubular section below the said needle for the liquid to enter the said needle unit, the other end of said unit communicating with a drip bottle, a flexible tube connected to the said drip chamber and a flow regulating device to regulate the flow in the said flexible tube beyond the bottle needle unit and a head at the end of the said tube for receiving the injection needle.

CLASS 133A.

136256.

SINGLE MOTOR DRIVE OF FORMING WINDER COLLET.

THE LOVESHAW CORPORATION, OF 61 EAST INDUSTRY COURT, DEER PARK, LONG ISLAND, NEW YORK, U.S.A.

Application No. 160/72 filed May 10, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A single motor drive of a relatively massive rotatable collet in a strand or yarn forming winder comprising (1) a relatively high-powered AC electric motor drivably connected to said collet for accelerating the latter up to a predetermined maximum speed in a relatively short period of time and having electrical input terminals; (2) a first electrical energizing circuit connectable to a relatively high voltage AC power source and connected to said input terminals for initial supply of such power to said motor, said circuit containing a relay type of motor starter including a magnetic coil and a first set of normally open switch means manipulated by said coil for selectively closing and opening this circuit periodically to supply the relatively high voltage AC power to said motor during an initial speed accelerating action period; (3) a second electrical energizing circuit connectable to a relatively lower voltage AC power source and containing a lower voltage output, variable frequency AC inverter that includes infinitely variable change speed means, with said inverter having AC output terminals connected to said motor input terminals through a second set of normally open switch means manipulatable by a second relay magnetic coil for selective supply to said motor through said second set of switch means of lower voltage AC power during a following period of strand or yarn winding action after attainment of the accelerated speed limit, the successive initial speed accelerating action and following winding action together constituting an operational accelerating and winding cycle; and (4) speed sensing means means operated by said motor to dictate opening of said motor starter switch means for discontinuing supply of the high voltage AC power to said motor as the latter increases the speed of the driven collet to this speed limit, and simultaneously to dictate closure of said second relay switch means for supply of the lower voltage AC power to said motor during the winding action with progressive deceleration of said collet.

CLASS 58C.

136257.

IMPROVEMENTS IN OR RELATING TO WINDOW FRAME SECTION MEMBERS.

DYNAMIT NOBEL AKTIENGESellschaft, 521, TROISDORF (BEZ. KOIN), WEST GERMANY.

Application No. 1045/72 filed August 2, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A sliding panel arrangement comprising a fixed frame and a sash panel frame, which frames are adapted for sliding travel of the sash panel frame within the fixed frame, the sides of the said frames being formed from extruded multi-chamber section members, section members of identical cross-section being used in the production of each side of the respective frames, the section members from which the fixed frame is constructed comprising a close main channel flanked by a pair of closed side channels which extend beyond the main channel to define, with a wall member extending there between and constituting a wall of the main channel, a longitudinally extending groove, the side channels constituting guide bars on which is guided or against which abut depending on which side of the fixed frame the fixed frame section member constitutes, the sash panel frame, the sash panel frame being constructed from section members comprising a pair of closed side channels constituting guide bars which enclose, therebetween a groove.

CLASS 29A+D & 126A.

136258.

A DEVICE FOR INDICATING OUTPUT OF ANALOG COMPUTER.

SANT SARAN DARBARI, 40, A BELI ROAD, ALLAHABAD, INDIA.

Application No. 1234/72 filed August 23, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A device of 'Graph Plot Mode' for recording the output of an analog computer by connecting the input of the integrating operational amplifiers to the summing junctions through devices like relay, transistorised switch or otherwise, for a predetermined time interval and disconnecting the same input at the

end of this time interval, the time interval called as compute period being adjustable and capable of being present over all practical ranges, the initiation of the time interval or 'compute period' being achieved by pressing a switch (mechanical, electronic or otherwise) external to or within the GPM device and the termination of the compute period being done automatically by an electronic device called a 'clock' according to the preset value for time interval.

CLASS 40F.

136259.

A FEEDWELL FOR RECEIVING FEED AND DISCHARGING IT INTO A SEDIMENTATION POOL.

ENVIROTECH CORPORATION, AT 537 WEST SIXTH SOUTH, SALT LAKE CITY, UTAH, U.S.A.

Application No. 1542/72 filed September 29, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A feedwell for receiving feed and discharging it into a sedimentation pool, comprising: an endless wall and a bottom closure member beneath said endless wall defining a feed receiving compartment of substantial vertical extent; a plurality of enlarged openings through said wall, said openings being spaced circumferentially about said wall; and at least one set of elongated conduits supported over each of said enlarged openings to provide communication through said wall and for directing feed therethrough.

CLASS 32F_{3a}.

136260.

PROCESS FOR THE MANUFACTURE OF METHYL METHACRYLATE.

MELLE-BEZONS, OF 79 SAINT-LEGER-LES-MELLE, DEUX-SEVRES, FRANCE.

Application No. 13/72 filed April 21, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims—No drawings.

A process for the continuous manufacture of methyl methacrylate by heating β -methoxy isobutyric acid in the presence of an aryl sulfonic acid as a catalyst, in a reaction bath continuously fed with β -methoxy isobutyric acid while continuously distilling off from the bath the methyl methacrylate and water formed by the reaction, which process is thereby characterized that water is continuously fed to the reaction bath together with the β -methoxy isobutyric acid, the amount of water continuously fed to the reaction bath when the reaction is carried out at atmospheric pressure being, per unit of time, from 2% to 15% of the weight of β -methoxy isobutyric acid fed during the same time.

CLASS 32F_{2a}.

136261.

PREPARATION OF ESTERS OF DIHYDROXYBENZYL ALCOHOLS.

STERLING DRUG INC., OF 90 PARK AVENUE, NEW YORK, STATE OF NEW YORK, U.S.A.

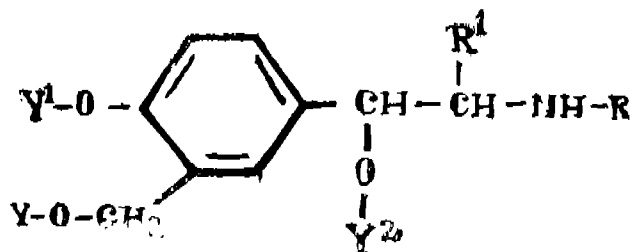
Application No. 1319/72 filed September 2, 1972.

Division of Application No. 125844 filed March 21, 1970.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for preparing a compound having in the free base form the formula.



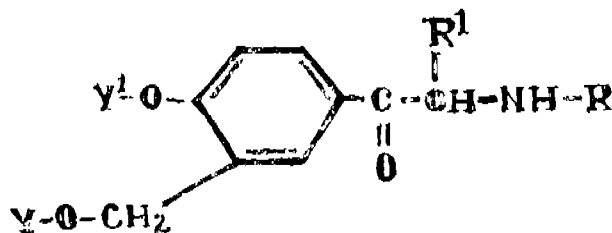
(herein) wherein R is hydrogen, alkyl having 1—4 carbon atoms, or cycloalkyl having 3—6 carbon atoms; R' is hydrogen or alkyl having 1—3 carbon atoms; Y is an acyl member which is alkanoyl having 1—22 carbon atoms, alkenoyl having one or two double bonds and having 4—22 carbon

O
"

atoms, cycloalkyl—C_nH_{2n}—C—having a total of 4—10 carbon atoms of which 3—7 are ring carbon atoms in cycloalkyl and wherein n is zero, one, or two, phenoxyacetyl, naphthalene-carbonyl, pyridyl, naphthalenyl, phenyl—C₆H₄—

O
"

C—wherein n is zero, one or two and phenyl is unsubstituted or is substituted by 1—3 alkyl having 1—4 carbon atoms, alkoxy having 1—4 carbon atoms, halo, trifluoromethyl, dialkylamino having 2—8 carbon atoms, or alkanoylamino having 1—6 carbon atom groups; and Y¹ and Y² are the same or different and are hydrogen or one of the acyl members defined by Y, and wherein at least one of Y and Y¹ contains no less than four carbon atoms; or an acid-addition salt thereof, which comprises preparing the compound wherein Y² is hydrogen by reducing an ester-ketone having in the free base form the Formula.



(herein) by treatment with an alkali metal borohydride in a lower alkanol or by catalytic hydrogenation in the presence of platinum or palladium, said alkali metal boro hydride necessarily being used when either Y or Y¹ in the reduction product contains an olefinic double bond and, if desired, converting a free base product obtained to an acid addition salt thereof.

CLASS 32A₁.

136262.

NEW WATER-SOLUBLE MONOAZO-PYRAZOLINE DYESTUFFS AND A PROCESS FOR PREPARING THEM.

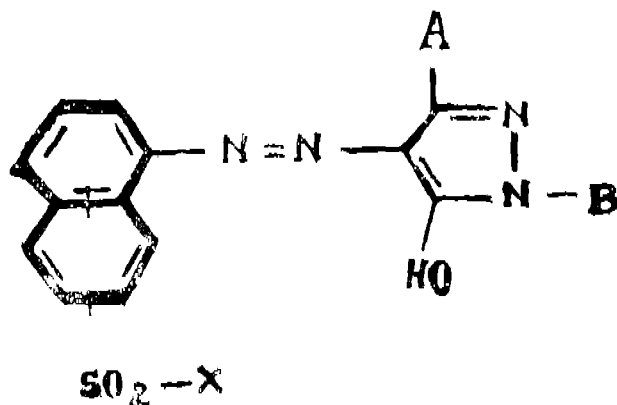
FARBWERKE HOECHST AKTIENGESellschaft VORMALS MEISTER LUCIUS & BRUNING, OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 1184/72 filed August 17, 1972.

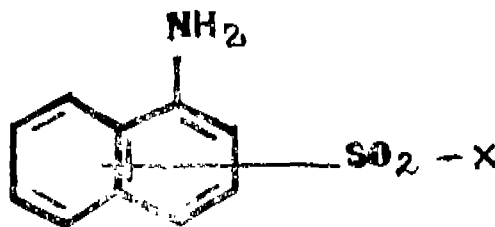
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

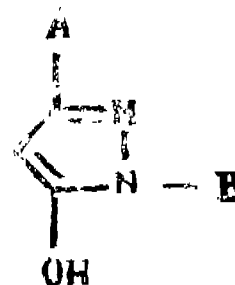
A process for the manufacture of water-soluble monoazo-dyestuffs of the formula.



in which A represents lower alkyl, carboxyl or lower alkoxy-carbonyl, B stands for a radical of the phenyl or naphthyl series which may contain one or more substituents usual in water-soluble azo dyestuffs such as lower alkyl, lower alkoxy, chlorine, bromine, lower allyl-amino, lower alkanoylamino, nitro, sulfonamide, amino, hydroxy, amidosulfonyl-lower alkyl, N-mono- and/or N-di-lower alkyl-sulfamino groups of which at least one group, if neither A nor Z represent groups imparting solubility in water, represents a substituent imparting solubility in water, X represents the grouping —CH=CH— or —CH₂—CH₂—Z, in which Z stand for hydroxyl or an inorganic or organic radical, capable of being split off by an alkaline agent, wherein a naphthylamine of the formula



in which X is defined as above, is diazotized and coupled with a coupling compound of the formula



in which A and B are defined as above and the obtained dyestuffs of the formula (1) are, if desire, converted

if X stands for the grouping —CH₂—CH₂—CH, into dyestuffs of the formula (1) in which X represents the grouping —CH₂—CH₂—Z, Z standing for an inorganic or organic radical capable of being split off by an alkaline agent.

CLASS 32C.

136263.

PROCESS FOR THE PREPARATION OF GONADOTROPINS HAVING PROLONGED ACTIVITY.

ISTITUTO FARMACOLOGICO SERONO S.P.A., OF VIA CASILINA 125, ROME, ITALY.

Application No. 132/72 filed May 4, 1972.

Convention date December 6, 1971 (56599/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims—No drawings.

A process for the preparation of a gonadotropin-containing complex wherein a gonadotropin or gonadotropins dissolved in water or physiological saline is coprecipitated with zinc hydroxide or aluminium hydroxide.

CLASS 56A+D.

136264.

A METHOD OF CONDENSING VAPOURS IN VACUUM EVAPORATORS AND AN ARRANGEMENT THEREFOR.

1. VIDYA SAGAR JONEJA AND 2. DARSHANA NAND KHANNA, BOTH OF C-416 DEFENCE COLONY, NEW DELHI-24, INDIA.

Application No. 190/Cal/73 filed January 27, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An improved method for condensing vapours in a vacuum evaporator which comprises leading the vapours along with the entrained liquid into a first enclosure separated from the evaporating liquid space, allowing the entrained liquid to be collected through a drain attached to the floor or bottom plate of the enclosure, allowing the vapours to pass from the first enclosure to a second enclosure forming the condenser and positioned within the said first enclosure, condensing the vapours in direct contact with a cooling liquid, withdrawing the condensate and the cooling liquid together whilst removing the noncondensed vapours by a vacuum pump.

OPPOSITION PROCEEDINGS

The opposition entered by Centron Industrial Alliance Private Limited to the grant of a patent on application No. 130666 made by Harbans Lall Malhotra & Sons Private Ltd., as notified in Part III, Section 2 of the Gazette of India, dated the 8th September 1973 has been dismissed.

PRINTED SPECIFICATIONS PUBLISHED

A limited number of printed copies of the undernoted Specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8 Hastings Street, Calcutta, at Two Rupees per copy:—

(1)

118963 119163 119285 119302 119337 119394 119395 120262
120393 120555 120558 120736 120747 120757 120835 121025
121026 121121 121339 121641 122038 122198 122199 122441
122497 122535 123770 125156 125157 126906.

(2)

124189 124193 124306 124401 125541 127314 128046 128172
128298 128827.

(3)

118481 122096 123476 128321 128378 128893 129161 129214
129277 129492 129531 129574 129606 129672 129744 129768
129770 129851 129867 129889 129902 129904 129923 129924
130135 130186 130244 130294 130318 130627 130630 130688
130929 131150 131321 131426 131609 131897 132246 132280
132945 133198 133698 133727 133751 133854 133997 134049
134223.

(4)

91634 98558 101344 109989 116466 116647 116738 123214
128642 129911 131352 133468 134637 134667 135076.

(5)

105333 105435 106013 106427 106480 106502 106629 106961
107012 107183 107586 108181 110034 110665 111148 111835
111248 112682.

PATENTS SEALED

80292 80528 83779 86709 87536 93569 94209 108556
108853 110506 111606 111973 113616 113926 115120 117876
120067 121694 123081 123158 126954 127107 127252 127438
128349 128406 128794 129074 129964 129991 130088 130308
130415 130788 131008 131605 132112 133054 133414 133625
133678 133865 134092 135232 135270 135549.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Beecham Research Laboratories Limited, Manufacturers, of Great West Road, Brentford, 3—297GI/74

Middlesex, England, a British Company, have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 77366 for "Preparation of the epimers of α -aminobenzyl-penicillin, 6- [D (—) α -aminophenylacetamido]-penicillanic acid and 6- [L (+) α -aminophenylacetamido]-penicillanic acid". The amendments are by way of explanation, correction and disclaimer by revision of the claims in specification and revision of title of invention in the application and specification. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

Notice is hereby given that Smith Kline & French Laboratories now re-named as Smith Kline Corporation, a corporation organised under the laws of the Commonwealth of Pennsylvania, United States of America, of 1500 Spring Garden Street, City of Philadelphia, Commonwealth of Pennsylvania, U.S.A., have made an application under Section 57 of the Patents Act, 1970 for amendment application, specification and drawings of their application for Patent No. 108188 for "Process for preparing esters of benzimidazolyl carbamic acids". The amendments are by way of correction of the name of the applicants in the application documents on file. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(3)

Notice is hereby given that Smith Kline & French Laboratories now re-named Smith Kline Corporation, a corporation organised under the laws of the Commonwealth of Pennsylvania, United States of America, of 1500 Spring Garden Street, City of Philadelphia, Commonwealth of Pennsylvania, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of application, specification and drawings of their application for Patent No. 109500 for "Process for the preparation of substituted 10-aminoalkyl-9, 10-dihydroanthracenes". The amendments are by way of correction of name of the applicants in the application documents on file. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(4)

Notice is hereby given that Snam Progetti S.p.A., an Italian Company, of Corso Venezia, 16, Milan, Italy, have made an application under Section 57 of the Patents Act, 1970 for amendment of description in the specification of their application for Patent No. 130801 for "Process for producing urea". The amendments are by way of correction and explanation. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30

within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(5)

Notice is hereby given that the Secto Company Limited, of Shaw Street Works, Blackburn, Lancashire, England, a British Company have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 130967 for "Insecticidal Composition". The amendments are by way of revision of the claims in the specification and the title of invention in the application and specification. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the notice.

(6)

Notice is hereby given that E. I. Du Pont De Nemours And Company, Manufacturers, of Wilmington, Delaware, United States of America, a corporation organised and existing under the laws of the State of Delaware, U.S.A., have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 131302 for "A process for producing a corrosion-resistant ferritic iron-chromium-molybdenum alloy". The amendments are by way of correction of description and claims in the specification. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(7)

Notice is hereby given that Imperial Chemical Industries Limited, Manufacturers, of Imperial Chemical House, Millbank, London, S. W. 1, England, a British company have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 134517 for "Process for the preparation of aluminium phosphate." The amendments are by way of deletion of claims 24 and 25 from the specification. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the notice.

(8)

Notice is hereby given that Munish Chandra Agarwal, an Indian Citizen and national residing at 2A Raipla Co-operative Housing Society, Linking Road, Santa Cruz, Bombay-54, Maharashtra State, India, have made an application under Section 57 of the Patents Act, 1970 for amendment of the application and specification in respect of his application for patent No. 135791 for "Centrifugal spinning pot and a method for the manufacture thereof". The amendments are by way of correction of the address which has been changed to—17 Camac Street, Calcutta-17, West Bengal, India. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya

Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(9)

The amendments proposed by Pfizer Corporation in respect of Patent Application No. 76723 as advertised in Part-III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

(10)

The amendments proposed by Pfizer Inc., in respect of Patent Application No. 77431 as advertised in Part-III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

(11)

The amendments proposed by Mallinckrodt Chemical Works, in respect of Patent Application No. 78001 as advertised in Part-III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

(12)

The amendments proposed by Behringwerke Aktiengesellschaft in respect of Patent Application No. 79373 as advertised in Part-III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

(13)

The amendments proposed by Sandoz Ltd., in respect of Patent application No. 127015 as advertised in Part-III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

(14)

The amendments proposed by Diamond Shamrock Corporation in respect of Patent Application No. 127526 as advertised in Part-III, Section 2, of the Gazette of India dated the 15th June 1974 have been allowed.

(15)

The amendments proposed by Mineralimpex Magyar Olaj Es Banyatermek Kulkereskedelmi Vallalat in respect of Patent Application No. 128567 as advertised in Part-III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

(16)

The amendments proposed by Shell Internationale Research Maatschappij N. V., in respect of Patent Application No. 129297 as advertised in Part-III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

(17)

The amendments proposed by Chemical Construction Corporation in respect of Patent Application No. 131471 as advertised in Part-III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

(18)

The amendments proposed by E. I. Du Pont De Nemours And Company in respect of Patent Application No. 131542 as advertised in Part-III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

(19)

The amendments proposed by Triplex Safety Glass Company Limited in respect of Patent Application No. 132286 as advertised in Part-III, Section 2 of the Gazette of India dated the 18th May 1974 have been allowed.

(20)

The amendments proposed by Vasudev Kewalram Mahtani, in respect of Patent Application No. 132371 as advertised in Part-III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

(21)

The amendments proposed by Marathon Oil Company in respect of Patent Application No. 132944 as advertised in Part-III, Section 2 of the Gazette of India dated the 15th June 1974 have been allowed.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

69831 }
84766 } M/s. Vernitron Corporation.

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar years 1972 and 1973, generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date	Name and Address of the Patentee	Title of the Invention
1	2	3	4	5
1.	107100	17-9-1966	A. Ehrenreich & Cie, Hansa-Allee 186-190, Düsseldorf-Oberkassel, West Germany.	Ball Joint.
2.	107190	26-19-1966	Xerox Corporation, of Rochester, New York, 14603, U. S. A.	Facsimile system.
3.	107192	26-9-1966	The Metal Box Co. of India Ltd., of Barlow House 59-C, Chowringhee, Calcutta-20.	Hermetically sealing a bottle for a like container and a sealing plug therefor.
4.	107262	29-9-1966	Caterpillar Tractor Co., of 800 Davis Street, San Leandro, State of California, U. S. A.	Single pivot elevator mounting for self loading scrapers.
5.	107694	28-10-1965	The Metal Box Co. Ltd., of 37, Baker Street, London-W. 1., England.	Dispensing closures for containers.
6.	107817	3-11-1966	General Refractories Co., of 1520 Locust Street, Philadelphia, Pennsylvania, U. S. A.	Refractory brick suspension arrangements
7.	107900	2-9-1966	Franz Morat, G. M. B. H. of 51, Hessbruhlstrasse, Stuttgart-Vaihingen, West Germany.	Production of a control strip from an original.
8.	108236	24-10-1965	Petrol Injection Ltd, and another, Valley Road, Plympton, Plymouth, Devon, England.	Fuel injection systems.
9.	108308	5-12-1966	Jack Binns of 4886 Oaklawn Avenue, Cincinnati, Ohio, 54227, U. S. A.	Machine for turning & shaping a heavy work piece.
10.	108356	24-12-1965	Petrol Injection Ltd. & Another, Valley Road, Plympton, Plymouth, Devon, England.	Fuel injection system.
11.	108389	12-12-1966	Caterpillar Tractor Co., of 800, Davis Street, San Leandro, State of California, U. S. A.	Stabilizing means for earth moving scrapers.
12.	108426	4-8-1966	Jack Binns of 4886, Oaklawn Avenue, Cincinnati, Ohio, 45227, U. S. A.	Lathe chuck.
13.	108585	26-12-1966	Caterpillar Tractor Co., of 800, Davis Street, San Leandro, State of California, U. S. A.	Resilient shock absorbing device.
14.	108766	6-1-1967	Palitex Project Co. G.m.b.H., of Weeserweg 8, Krefeld, W. Germany.	Automatic Bobbin exchange mechanism for two for one twisting machines.
15.	108942	19-1-1967	Karl Adolf Oesterheld of Luthe via Wunstorf, near Hanover, Federal Republic of Germany.	Chimney cooler for the cooling of liquids by means of atmospheric air.
16.	109055	30-11-1966	Franz Morat G. M. B. H. of Hessbruhlstrasse, 51, Stuttgart-Vaihingen, W. Germany	Apparatus for scanning a pattern original for the production of a control strip.
17.	109064	27-1-1967	Caterpillar Tractor Co., of 800, Davis Street, San Leandro, State of California, U. S. A.	Ejector mechanism for loader buckets.
18.	109305	13-2-1967	Leesona Corp. of 333, Strawberry Field Road, Warwick, Rhode Island, U. S. A.	Spinning yarn.
19.	109387	20-2-1967	Jack Binns of 4886 Oaklawn Avenue, Cincinnati, Ohio, 45227, U.S.A.	Anti-backlash carriage feed mechanisms.
20.	109424	21-2-1967	—do—	Cutting tool for shaping a work piece.

1	2	3	4	5
21.	109468	24-2-1967	Palitex Project Co., G. M. B. H., of Weeserweg, 8, Kerlfeld, West Germany.	Belt driving device.
22.	109538	1-3-1967	—do—	Two for one twisting machine.
23.	109540	1-3-1967	Caterpillar Tractor Co., of 800, Davis Street, San Leandro, State of California, U. S. A.	A tractor scraper combination with resilient means to provide temporary support therefor.
24.	109565	3-3-1967	Palitex Project Co. G. M. B.H. of Weeserweg, 8, Krefeld, West Germany.	Two for one spindle.
25.	109788	3-2-1967	Franz Morat G. M. B. H. of Hessbruhlstrasse 51, Stuttgart, Vaihigen, West Germany.	Circular knitting machines.
26.	109919	27-3-1967	Trico Folberth Ltd. of Great West Road, Brentford, Middlesex, England.	Wind screen wiper.
27.	109971	30-3-1966	Norris Filters Ltd., of Burrell Road, Haywards Heath, Sussex, England.	Filter units for fluids.
28.	110116	7-4-1966	The National Cash Register Co., Dayton in the State of Ohio, U. S. A.	Coated copy paper.
29.	110123	3-2-1966	Franz Morat G. M. B. H. Hessbruhlstrass, 51, Stuttgart-Vaihingen, West Germany.	Circular knitting machines.
30.	110271	18-4-1967	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	The controlling the static pressure in a furnace carbon black reactor.
31.	110357	24-4-1966	Amsted Industries Inc., 3700 Prudential Plaza, Chicago, Illinois, 60601, U. S. A.	Apparatus for manipulating railway wheels in a testing station.
32.	110361	24-4-1967	Katsuji Fujiwara, No. 191, Nishitani, Hizaoka-cho, Kakogawa-shi, Hoyo-go-Ken, Japan.	Device for removing air binding in a disk type steam trap.
33.	110387	25-4-1967	Loma Industries Inc., The Midland Building, Cleveland, Ohio, 44115, U. S. A.	Thermodynamic moulding machine.
34.	110477	2-5-1967	Philips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Method of controlling the surface area of surface carbon black.
35.	110636	18-5-1966	James Mackie Holdings Ltd., Albert Foundry, Belfast 12, Northern Ireland.	Screw gill-box.
36.	110714	18-5-1967	Caterpillar Tractor Co., 800 Davis Street, San Leandro, State of California, U. S. A.	Hydraulic follow-up for vehicle storing systems.
37.	110719	25-5-1966	David Brown Gear Industries Ltd., Park Works, Hodderfield, in the country of York, England.	Method of securing together male and female components.
38.	110720	19-5-1967	Swiss Aluminium Ltd., Chippis, Cantong, Valais, Switzerland.	Cell or multicell furnace for the electrolysis of molten oxides.
39.	100750	25-5-1966	The P. & M. Co., (England) Ltd., 1-A, Grosvenor Gardens, London S. W. 1., England.	Apparatus for supplying liquid to the rails of railway tracks.
40.	110764	23-5-1967	Palitex Project Company G. M. B. H., Weeserweg 8, Krefeld, West Germany.	Double twist spinning machine with singeing device.
41.	110817	25-5-1967	Caterpillar Tractor Co., 800, Davis Street, San Leandro, State of California, U. S. A.	Tractor-scraper combination.
42.	110868	29-5-1967	Palitex Project Co., G. M. B. H., Weeserweg 8, Krefeld, West Germany.	Means for braking drag links on multiple twisting spindles.
43.	110998	6-6-1967	Isgec John Shompson Ltd, 8, Chittaranjan Avenue, Calcutta-13, West Bengal, India.	Containers suitable for Storage or transport of liquified gases.
44.	111022	8-6-1967	Caterpillar Tractor Co., 800, Davis Street, San Leandro, State of California, U. S. A.	Hydraulic activating means for a pair of steering clutches in the drive train of a tractor.
45.	111190	22-6-1966	The Imperial Group Ltd., Imperial House, 1 Grosvenor Place, London, SW1X, 7HB, England.	Tobacco smoke filters.
46.	111202	22-6-1967	Caterpillar Tractor Co., 800, Davis Street, San Leandro, State of California, U. S. A.	Reinforcement for pneumatic tires.
47.	111206	23-6-1966	The Metal Box Co. Ltd. 37, Baker Street, London W. 1., England.	Sheet metal component for containers.
48.	111227	23-6-1967	Kiyoyasu Wake & Another, 378, Kinuta-Cho, Setagaya-Ku, Tokyo, Japan.	Magnetically actuated tumbler lock.
49.	111237	24-6-1967	Amsted Industries Inc., 3700, Prudential Plaza, Chicago, Illinois 60601, U. S. A.	Molds suitable for use informing metal castings

1	2	3	4	5
50.	111472	26 -2-1965	Petrol Injection Ltd., & Another, Valley Road, Plympton, Devon, England.	Combination pump.
51.	111522	15-7-1967	Palitex Project Co. G. M. H. B. Weeserweg 8. Krefeld, West Germany.	Two for one spindle with interior winding.
52.	111565	27-7-1966	Padmore and Sons Ltd., Calclonian Mills, Stoke-on-Trent, Staffordshire, England.	Vibratory grinding.
53.	111581	19-7-1969	Sarco International Corporation, 201, East 42nd St., New York, New York, U. S. A.	Control valve.
54.	111667	1-9-1966	St. Anne's Board Mill Co. Ltd., St. Anne's Road, Bristol - 4.	Flow boxes for machines for dewatering watery pulp.
55.	111727	1-8-1966	James Mackie Holdings Ltd., Belfast 2, Northern Ireland.	Bobbins.
56.	111749	31-7-1967	Caterpillar Tractor Co., 800, Davis Street, San Leandro, State of California, U. S. A.	Track link.
57.	111779	1-8-1967	L. Girandan & Cie Societe Anonyme, Vernier Geneve, Switzerland.	Preserving agent.
58.	111859	8-8-1966	Dexion Ltd., Empire Way, Wembley Park, Middlesex, England.	Structural components.
59.	111861	7-8-1967	Leesona Corporation, 33 Strawberry Field Road, Warwick, Rhode Island, U. S. A.	Winding machines.
60.	111862	24-5-1967	Glanzstoff AG, 56, Wuppertal, Elberfeld, West Germany.	Dentber like microporous sheet structures.
61.	111902	10-8-1967	Palitex Project Co. G. M. B. H., Weeserweg 8, Krefeld, West Germany.	Two for one twisting machine.
62.	111948	14-8-1967	American Gage & Machine Co., 5200 West Kinzie Street, Chicago, Illinois, U. S. A.	Recorder construction.
63.	112000	17-8-1967	Rank Xerox Ltd., Rank Xerox House, 338 Euston Road, London, N. W. 1.	Sheet distributor.
64.	112001	17-8-1967	—do—	Modular sheet distributor.
65.	112002	17-8-1967	—do—	Sheet transport mechanism.
66.	112114	6-9-1967	Dexion Ltd., Empire Way, Wembley Park, Middlesex, England.	Connections between structural components.
67.	112115	26-8-1967	Trutzschler & Co., Duvenstr. 82/92, Rheydt-Odenkirchen, West Germany.	Mechanism for the conveying of fibres of fibrous materials by means of air pressure.
68.	112151	29-8-1967	James Mackie Holdings Ltd., Albert Foundry, Belfast 12, Northern Ireland.	Improvements in winding.
69.	112282	8-9-1967	Caterpillar Tractor Co., 800 Davis Street, Leandro State of California, U. S. A.	Hydraulic control system for a multi-speed transmission.
70.	112283	8-9-1967	—do—	Hydraulic governor.
71.	112292	11-9-1967	The Gillette Co., Gillette Park, Boston, State of Massachusetts, U. S. A.	Safety razors.
72.	112449	21-9-1967	Rank Xerox Ltd., 338, Euston Road, London N. W. 1, England.	A carrier lead for electrostatographic developer mixtures, developer mixture comprising them and an imaging process using said mixture.
73.	112503	25-9-1967	Elastic Rail Spike Co., Ltd., 7, Rolls Buildings, Telfer Lane, London, E. C. 4., England.	A spring key for fastening a railway rail.
74.	112522	26-9-1967	Palitex Project Co. G. M. B. H. Weeserweg 8, Krefeld, West Germany.	Singeing device for yarns.
75.	112555	28-9-1967	The Metal Box Co. of India Ltd., Barlow House, 59-C, Chowringhee, Calcutta-20, West Bengal, India.	containers.
76.	112590	30-9-1971	Palitex Project Co., G. M. H. B. Weeserweg 8, Krefeld, West Germany.	Process and mechanism for the re-filing of twisted yarn.
77.	112704	9-10-1967	The Gillette Co., Gillette Park, Boston, State of Massachusetts, U. S. A.	Razor Blades.
78.	112715	9-10-1967	Rank Xerox Ltd., Rank Xerox House, 338, Euston Road, London, N. W. 1., England.	Copying machine for producing reproductions from original documents onto copy media.

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79.	112724	9-10-1967	W. I. Wallace Systems Inc., 104., South Bataria Avenue, Illinois Bataria, U. S. A.	Materials handling machines.
80.	112729	9-10-1967	The Gillette Co., Gillette park, Boston, State of Massachusetts, U. S. A.	Cutting sharpening tool edges of convex cross section.
81.	112745	16-10-1967	International Nickel Ltd., Thames House, Millbank, London, S. W. 1., England.	Flowable metal powders.
82.	112893	24-10-1967	Caterpillar Tractor Co., 800, Davis Street, San Leandro, State of California, U. S. A.	Push-pull coupling for tractor scraper unit.
83.	112906	24-10-1967	Amsted Industries Incorporated, 3700, Prudential Plaza, Chicago, Illinois 60601, U. S. A.	Mold riser height control.
84.	112924	25-10-1967	Caterpillar Tractor Co., 800, Davis Street, San Leandro, State of California, U. S. A.	Valve for means actuating two sets of hydraulic motors.
85.	112999	1-11-1966	Avery-Hardoll Ltd., & Another, Oakcroft Road, Chessington, Surrey, England.	Liquid flow controllers.
86.	113005	31-10-1967	Peter Wolters, Mettmann/Rhld. West Germany.	Grinding elastomeric or analogous materials.
87.	113051	6-11-1967	The Cincinnati Milling Machine Co., 4701, Marburg Avenue, Cincinnati, 9, Ohio, U. S. A.	Copper clad plastic panel.
88.	113074	7-11-1967	Amsted Industries Incorporated, 3700, Prudential Plaza, Chicago, Illinois 60601, U. S. A.	Molder cleaner.
89.	113179	14-11-1967	Walter Jeanmaire, Kallnau, Black Forest, Germany.	Device for regulating the feed of flock feeding means to carding engines.
90.	113245	20-11-1967	Trutzschler & Co., 407 Rheyd-Odenkirchen, West Germany.	Machine for opening cotton bales.
91.	113286	22-11-1967	Monsanto Co., 800, North Livelbergh, Boulevard, St., Luis, Missouri, U. S. A.	Process for forming objects from a low viscosity malt.
92.	113325	27-11-1967	Norton Company, 1, New Bond Street, Worcester 6, State of Massachusetts, U. S. A.	Method of grinding and grinding wheel mounting structure.
93.	113326	27-11-1967	—do—	Method and machine for grinding.
94.	113338	28-11-1966	James Mackie Holdings Ltd., Albert Foundry Belfast 12, Northern Ireland.	Cleaning blade for a screw gill box faller mechanism.
95.	113437	10-7-1967	Snam, Progetti S. P. A., No. 16, Corgo Venezia, Milan, Italy.	Process for the production of melt spun composite filaments and a spinning head therefor.
96.	113573	31-10-1967	Veb Filmfabrik Wolfen, Wolfen, Kries Bitterfeld, East Germany.	Multilayer material for colour photography.
97.	113651	16-12-1967	Jean Fontaine, 37, Quai de la Tournelle, Paris seme, France.	Architectural structure.
98.	113671	18-12-1967	Chulp Fire Security Ltd., Pyrene House, Sunbury-on-Thames, Middlesex, England.	Manganese Phosphate coatings on iron or steel.
99.	113723	21-12-1967	Norton Company, 1, New Bond Street, Worcester 6, State of Massachusetts, U. S. A.	Heat treatment method and kiln.
100.	113761	22-12-1967	Bau-Stahlgewebe, G. M. B. H. Burggrafenstrasse, Dusseldorf, West Germany.	Producing a concrete reinforcing bar.
101.	113780	11-12-1967	Franz Morat G. M. B. H., Stuttgart Vailingen, Hessebruchstrasse, Federal Republic of Germany.	Automatically producing pattern masters for the patterning of knitted and woven goods.
102.	113986	9-1-1968	The National Cash Register Co., Dayton in the State of Ohio, U. S. A.	Chromogenic compounds for use in pressure sensitive record material.
103.	113987	9-1-1968	—do—	Chromogenic compound for use in pressure sensitive record material.
104.	113988	9-1-1968	Rank Xerox Ltd., Rank Xerox House, 338, Euston Road, London, N. W. 1., England.	Photo-sensitive elements and a method of imaging therewith.
105.	113989	9-1-1968	—do—	Colour imaging method and imaging members therefor.
106.	113990	9-1-1968	Xerox Corporation, Rochester, New York, 14603, U. S. A.	Manifold imaging.
107.	113991	9-1-1968	—do—	Manifold imaging.

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108.	113993	9-1-1968	Eduard Kusters, Gladbacher Str., 457, Krefeld, West Germany.	Processing of textile and other breadths, especially for moist and temperature processing thereof.
109.	114048	15-1-1968	The National Cash Register Co., Dayton in the State of Ohio, U. S. A.	Chromogenic compounds for use in pressure sensitive record material.
110.	114125	20-2-1967	British Hovercraft Corporation Ltd., Yeovil, Somerset, England.	Flexible skirting assemblies for ground effect machines.
111.	114222	27-1-1968	Palitex Project Company, Weeserweg 8, Krefeld, West Germany.	Process for repairing yarn breakages in spindles and yarn joiner for carrying out said process.
112.	114229	27-1-1968	Scott Paper Company, Industrial Highway at Tinicum Island Road, Delaware County, State of Pennsylvania, U. S. A.	Tufted composite fabric.
113.	114285	30-1-1968	—do—	Tufted composite fabric.
114.	114327	2-2-1968	Caterpillar Tractor Co., 100, N. E. Adams Street, Peoria, State of Illinois 61602, U. S. A.	Powered articulated crawler vehicle
115.	114352	5-2-1968	Sumitomo Electric Industries Ltd., 15, Kitahama 5-Chome, Higashi-Ku, Osaka, Japan.	Composite metal wire.
116.	114358	5-2-1968	Palitex Project Co., Weeserweg 8, Krefeld, West Germany.	Spindle bearing.
117.	114366	6-2-1968	Columbia Broadcasting System Inc., 51, West 52nd Street, New York, N. Y. U. S. A.	Cartridge and cartridge carrier.
118.	114390	6-2-1968	Rank Xerox Ltd., Rank Xerox House, 338, Euston Road, London, N. W. 1, England.	Photoconductive member and its use in a xerographic imaging process.
119.	114442	8-2-1968	Sumitomo Metal Industries Ltd., No. 15, 5 Chome, Kitahama, Higashi-Ku, Osaka-Shi, Japan.	Semi-continuously casting steel ingot
120.	114619	20-2-1968	Columbia Broadcasting System Inc., 51, West 52nd Street, New York, N. Y., U. S. A.	Record medium and reproducing system.
121.	114622	20-2-1968	Columbia Broadcasting System Inc., 51, West 52nd Street, New York, N. Y., U. S. A.	Self-threading take-up reel and an apparatus incorporating said reel.
122.	114624	20-2-1968	—do—	Apparatus for producing color picture information from a record medium.
123.	115031	18-3-1968	Trutzchler & Co., 407, Rheydt-odenkirchen, West Germany.	Improvements in or relating to flock feeder shafts such as those used with preparatory spinning machines.
124.	115064	22-3-1967	The Post Office, 23, Hawland Street, London W1P, 6 HQ, England.	Joining wires.
125.	115116	31-1-1968	Glanzstoff A. G., Wuppertal, West Germany.	Turbulence Texturing and Individual threads.
126.	115140	25-2-1968	Scott Paper Co., Industrial High Way at Tinicum, Island Road, Delaware county, State of Pennsylvania, U.S.A.	Reticulated foam structures.
127.	115226	2-4-1968	Norton Co., 1, New Bond Street, Worcester-6, State of Massachusetts, U.S.A.	Joint for materials particularly belts.
128.	115262	3-4-1968	Teijin Limited., Umdea, Kita-Ku, Osaka, Japan.	Drawing polyester filaments.
129.	115335	8-4-1968	Caterpillar Tractor Co., 100, N. E. Adams Street, Peoria, State of Illinois, 61602, U.S.A.	Lift cylinder mounting for scrapers.
130.	115499	18-4-1968	Rank Xerox Ltd., Rank Xerox House, 338, Euston Road, London, NW1, England.	Automatic xerographic reproducing machine.
131.	115704	2-5-1968	Norton Company, 1 New Bond Street, Worcester 6, State of Massachusetts, U. S. A.	Conductive ceramic bonded grinding tool.
132.	115727	3-5-1968	Teijin Ltd., No. 1, Umeda Kita-Ku, Osaka, Japan.	Method of taking up yarns of synthetic fibres.
133.	115761	6-5-1968	Weston Instruments Inc., of 614, Frelinghuysen Avenue, New York, New Jersey, U.S.A.	Analog-to-digital converter.
134.	115762	11-5-1967	Rolls Royce (Composite material) Ltd., Filton House, Birstol, England.	Method of joining two units and a honey comb structure obtained thereby.
135.	115862	13-5-1968	Mount Hope Machinery Ltd., Green Street, Green Road, Dartford Kent, England.	Roll with vibrations damping means.

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136.	115889	12-5-1967	Rotary Hoes Ltd., Station Road, West Herndon, Essex, England.	Drive transmission gear box.
137.	115916	14-5-1968	Sumitomo Metal Industries Ltd., No. 15, 5-Chome, Kitahama, Osaka-Shi, Japan.	Iron Making process.
138.	115927	15-5-1968	The Gillette Co., Gillette Park, Boston, State of Massachusetts, U. S.A.	Coating razor blades with metals to increase the shaving life thereof.
139.	116088	27-5-1968	The Cincinnati Milling Machine Co., 4701, Marburg Avenue, Cincinnati 9, State of Ohio, U.S.A.	Copper clad plastic panels.
140.	116118	28-5-1968	Caterpillar Tractor Co., 100 N. E. Adams Street, Peoria, State of Illinois 61602, U.S.A.	Two piece master track link.
141.	116209	3-6-1968	Rank Xerox Ltd., Rank Xerox House, 338, Euston Road, London NW1, England.	A Xerographic developer material and imaging systems comprising the same.
142.	116360	14-6-1968	The Carborundum Company, 1625, Buffalo Avenue, Niagara Falls, U.S.A.	Refining steel.
143.	116468	22-6-1968	Mark Hurd Aerial Survey Inc., 345, Pennsylvania Avenue, South, Minneapolis, Minnesota, U.S.A.	Doors for access openings and an aircraft incorporating such doors
144.	116612	2-7-1968	Institute Francais Du Petrole, 1 et 4, Avenue de Bois Preau, Rueit, Malmaison 92, Hauts de seine, France.	Acoustic well logging device.
145.	116638	3-7-1968	Palitex Project Co., G. M. B. H. Weeserweg 8, Krefeld, West Germany.	Mechanisms for stopping spindles rotors.
146.	116639	4-7-1967	Wright Rain Ltd., Chowe, Reingwood, Hampshire, England.	Rotary water sprinkler.
147.	116660	4-7-1968	A Ehrenreich & Cie, Hansa-Allee 186-190, Dusseldorf-Oberkassel, West Germany.	Improvements in or relating to ball joints especially for gear connections.
148.	116733	10-7-1968	A Ehrenreich & Cie, Hansa-Allee 186-190, Dusseldorf-Oberkassel, West Germany.	Steering linkage for motor vehicles.
149.	116759	11-7-1968	Leesona Corporation, 333, Strawberry Field Road, City of Warwick, County of Kent, State of Rhode Island, U.S.A.	Spinning, twisting or plying yarn.
150.	116778	29-9-1967	The Metal Box Company Ltd., 37, Baker Street, London, W. 1, England.	Cartons.
151.	116804	16-7-1968	Tatsuo, Fukuoka, No. 25, 4-Ban, 2-Chome, Shin-minaun-Futushi-ma, Tokushima City, Japan.	Sandal.
152.	116913	25-7-1967	The Post Office, 23 Howland Street, London, W1P, 6 HQ, England.	Crimping clip for connecting wires
153.	116920	9-5-1968	Glanzstoff A. G. of 56 Wuppertal-Elberfeld, West Germany.	Multiple filament yarn.
154.	116933	24-7-1968	Armstrong Cork Co., of Liberty & Charlotte Street, Lancaster, State of Pennsylvania, U.S.A.	Textile fibre drafting cot.
155.	116966	27-7-1968	National Cash Register Co., of Dayton, State of Ohio, U.S.A.	Record material for producing copies of graphic information.
156.	117064	2-8-1968	Leesona Corp., of 333, Strawberry Road, Warwick Rhode Islands, U.S.A.	Apparatus for threading a ring traveller.
157.	117065	2-8-1968	Do.	Apparatus for automatically joining the end of material issuing from the drafting system of a spinning machine.
158.	117066	2-8-1968	Do.	Yarn bobbin.
159.	117173	8-8-1968	Sumitomo Electric Industries Ltd., of No. 15, 5-chome Kitahama chome Higashi-Ku, Osaka, Japan.	Continuous cross linking device for rubber or plastic cables.
160.	117250	13-8-1968	Notron Company, 1, New Bond Street, Worcester 6, State of Massachusetts, U.S.A.	Core cutting element.
161.	117324	19-8-1968	Speedfam Corp., 509, North Third Avenue, Des Plaines Illinois 60016, U.S.A.	Lapping machine
162.	117347	6-10-1967	The Post office, 23 Howland Street, London, W1P 6 HQ, England.	Wire connectors.

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163.	117458	27-3-1968	Xerox Corp., of Roschester, New York 14603, U.S.A.	Camera processor.
164.	117492	26-2-1968	O. H. Chapp & Co. Inc., of 47, Riverside Avenue, West Point, Connecticut, U.S.A.	Tea harvesters.
165.	117501	30-8-1968	Burroughs Corp., of 6071 Second Avenue, Detroit, Michigan, U.S.A.	Relief printing member.
166.	117542	3-9-1968	Caterpillar Tractor Co., of 100 N. E. Adams Street, Peoria, Illinois 61602, U.S.A.	Articulated chain assembly.
167.	117883	4-10-1968	Norton Company, of 1 New Bond Street, Worcester 6, State of Massachusetts, U.S.A.	Grinding wheels.
168.	117913	4-10-1968	Armsted Industries Incorporated, of 3700, Prudential Plaza, Chicago, Illinois 60601, U.S.A.	Cast steel railway wheels.
169.	118074	14-10-1968	The National Cash Register Co., Dayton in the State of Ohio, U.S.A.	Pressure sensitive record sheet material
170.	118171	18-10-1968	Caterpillar Tractor Co., of 100 N. E. Adams Street, Peoria, Illinois, 61602, U.S.A.	Adjustable ripper tip for an earth ripping device.
171.	118253	23-10-1968	Armsted Industries Incorporated, 3700, Prudential Plaza, Chicago, Illinois 60601, U.S.A.	Mold stopper
172.	118286	26-8-1968	Glanzstoff A. G. 5600, Winpbertal-Elberfeld, Postfach 101, West Germany.	Artificial leather
173.	118490	8-11-1968	Aktieselskabet Thomas Ths sabree & Co., 8270, Arthus-Højbjerg, Box No. 1810, Denmark.	Pressure control valve for refrigeration compressors.
174.	118493	11-11-1968	A/s. Teknora, 2990 Nivø, Denmark.	Fixture for securing of a tubular member.
175.	118586	15-11-1968	Caterpillar Tractor Co., 100, N. E. Adams Street, State of Illinois, 61602, U. S. A.	Heavy duty track hinge joints.
176.	118808	30-11-1968	—do—	Replacable ripper tip assembly.
177.	118834	2-12-1968	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U. S. A.	Carbon black
178.	118859	3-12-1968	I. M. S. Ltd., of 811, West Seventh Street, Los Angeles, California 90017, U. S. A.	Blood sampling tube and blood sampling assembly comprising such tube.
179.	118860	3-12-1968	—do—	Blood sample collecting tube holder.
180.	118879	4-12-1968	AB Ludvig Svensson (Holland) N. V. Freder. Kspbinl Amsterdam, Holland.	Treatment of textile and like materials.
181.	118914	14- 5-1968	VEB Filmfabrik Wolfen, 444 Wolfen 1, Kreis Bitterfeld, East Germany.	Processed coloured Photographic materials having images thereon to be viewed in incident light and transmitted light.
182.	118955	10-12-1968	E-C Corporation, 400 Expressway Tower Dalks, Texas 78206, U. S. A.	Engine for exchanging energy between high and low pressure systems.
183.	119009	13-12-1968	Teijin Ltd., of 1, Umeda, Kita-Ku, Osaka, Japan.	Removing waste yarn in twisting apparatus.
184.	119038	16-12-1968	Societe Italiana Resine S. I. R., S. P. A. 33, Via Grazioli, Milan, Italy.	Method of regenerating spinning baths for making acrylonitrile threads.
185.	119110	20-12-1968	Continental Oil Co., 1000 South Pine Street, Ponca City, Oklahoma, U. S. A.	System for vibrational seismic exploration.
186.	119131	23-12-1968	Atlantic Richfield Co., 260, South Broad Street, Philadelphia, Pennsylvania, 190101, U. S. A.	Optically pumped magnetometer.
187.	119170	14-6-1968	Scherion Ltd., Topferstrasse 5, Lucerne, Switzerland	Dispensing means for an injectable fluid.
188.	119221	31-12-1968	The Metal Box Co. of India Ltd., Barlow House, 59C, Chowringhee, Calcutta-20 West Bengal, India	Leak proof liners for the closures of containers.
189.	119328	8-2-1968	Pyrene Chemical Services Ltd., Ridgeway, Iwer, Buckinghamshire, England.	Solutions and process for forming phosphate coatings on metals.
190.	119474	20-1-1969	Societe Italiana Resine S. I. R., S. P. A., 33, Via Grazioli, Milan, Italy.	Regenerating baths used in spinning acrylic threads.
191.	119478	21-1-1969	Norton Co., 1, New Bond Street, Worcester 6, State of Massachusetts, U. S. A.	Extruding glass materials.

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192.	119493	1- 2-1968	Petrol Injection Ltd., & Another, Valley Forge, Eng.	Fuel injection systems.
193.	119495	23- 1-1968	Donald Hatch, "Advena" 10, Whalley Lane, White	Weather indicator.
194.	119582	28 -1-1969	Rank Xerox Limited, Rank Xerox House, 328, Euston	Electrostatic graphic imaging apparatus.
195.	119583	28 -1-1969	—do—	Electrostatic graphic imaging process.
196.	119625	30- 1-1969	—do—	Xerographic plate for xerographic imaging process.
197.	119874	17- 2-1969	Palitex Project Co., G. M. B.H., Weeserweg 8, 4150,	Thread brake of spinning or twisting spindles.
198.	119906	18- 2-1969	—do—	Drag flyer multiple twist doubling spindles.

PATENTS DEEMED TO BE ENDORSED WITH THE WORD "LICENCES OF RIGHTS"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 8 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention	
121527	(31-5-68)	Improvements in or relating to treatment of liquid metal.
121998	(26-6-69)	Process for the manufacture of pellets adapted for use as feed materials for blast furnace operations.
122295	(17-7-68)	Insecticidal compounds and methods for their preparation and composition containing them.
123860	(3-11-69)	Improvements in or relating to the synthesis of a plasticizer from castor oil for polyvinyl chloride resins (PVC).
124310	(4-12-69)	Process and apparatus for the production of sulphuric acid.
128455	(17-7-68)	An insecticidal composition.
128456	(16-7-69)	An insecticidal composition and method of preparing the compound contained therein.
128457	(16-7-69)	An insecticidal composition.
129916	(30-4-69)	Recycle urea synthesis process.

RENEWAL FEES PAID

69272	69478	69601	69672	70180	70181	73491	73528
73556	73601	73606	73644	73647	73717	73726	73734
73749	73799	73850	73851	73859	73960	74337	74652
78556	78571	78688	78691	78883	78926	78946	79000
79307	79439	80351	82501	82502	84393	84430	84447
84462	84688	84776	84778	85260	85433	85802	89368
90005	90068	90071	90093	90094	90107	90108	90171
90225	90325	90344	90357	90437	90465	90530	90571
90672	90767	95665	95807	95835	95899	95905	95936
95960	95962	96963	95983	95998	96004	96025	96031
96093	96128	96149	96178	96186	96198	96210	96220
96231	96264	96292	96518	96705	98787	98963	99064
100174	101680	101890	101910	101924	101926	101933	102076
102120	102172	102187	102238	102249	102254	102255	102256
102257	102319	102438	102520	102652	103122	103326	104255
105720	107115	107148	107167	107269	107306	107326	707382

107411	107430	107431	107434	107452	107475	107476	107516
107517	107518	107519	107520	107521	107527	107548	107551
107560	107561	107576	107579	107586	107587	107685	107691
107698	108275	108277	108338	108703	111186	111500	112444
112510	112517	112631	112631	112634	112649	112715	112727
112789	112813	112824	112826	112847	112848	112951	112982
113003	113057	113179	113245	113285	113605	113631	113632
113973	114224	114519	115430	115489	117870	117883	117908
117941	117945	117990	118005	118031	118033	118123	118146
118164	118184	118234	119301	118318	119330	118331	118332
118335	118375	118591	119174	119368	119434	119609	121429
121516	121808	122581	122637	123301	123322	123327	123497
123503	123509	123521	123602	123677	123799	123801	123822
123827	123949	123966	124025	124088	124100	124241	125357
125709	128042	128335	128446	128505	128535	128599	128622
128635	128679	128699	128710	128758	128799	128875	128876
128893	128920	128957	129022	129024	129039	129066	129381
129587	129810	130348	130576	130647	130682	130711	130830
130925	131380	131783	132043	132073	132650	132658	132698
132727	132745	132997	133043	133055	133056	133057	133090
133100	133119	132127	133137	133138	133139	133164	133165
133214	133222	133223	133241	133316	133346	133378	133402
133452	133465	133496	133504	133541	133736	133750	133843
133849	133914	133934	134080	134178	134269	134645	134654
134905	135113	135137	135186	135372	135457	135482	135510
135517	135562	135565					

CESSATION OF PATENTS

72111	72154	72157	99774	99947	115448	115452	115522
115562	115596	115611	115673	115676	115686	115730	115731
115732	115734	115742	115747	115751	115755	115787	115793
115794	115809	115836	115854	115855	115886	115895	115904
115929	115930	115936	116021	116043	116074	116104	116128
116180	116196	116201	116228	116236	116250	116254	116279
116280	116294	116311	116370	116388	116389	116392	116394
116405	116413	116438	116440	116442	116443	116464	116465
116471	116485	116487	119452	122605	122606	123828	124150
124618	124824	125077	125368				

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 141671. Shantilal & Bros. (Mfg. Dept.), of 114-B, Kandivali Industrial Estate, Kandivali (West), Bombay-400067, Maharashtra, an Indian Partnership Firm, "Lamp Shade", February 18, 1974.

- Class 1. No. 141677. Ashish Art Industries, of Agadi Industrial Estate, Subash Nagar, Jogeshwari (East), Bombay-400060, Maharashtra, an Indian Partnership firm, "Handle", February 21, 1974.
- Class 1. No. 141703. Manzoor Hussain, an Indian National trading under the name and style of Messrs. Max Auto Products, 797 Shesh Mahal, Azad Market, Delhi-8, "Rear-view mirror", February 28, 1974.
- Class 1. No. 141999. Vishwamohan Jagannathan Shah, an Indian Citizen, Flat No. 27, 'Shreyas' Nariman Point, Madam Cama Road, Bombay 400032, Maharashtra, India, "Cleaning and degreasing plant", May 30, 1974.
- Class 1. Nos. 141974 & 141975. Bright Steel Industries, 27, Pusa Road, Karol Bagh, New Delhi-5, an Indian Partnership firm, "Alurops", June 29, 1974.
- Class 3. No. 141670. Ashish Art Industries, of Agadi Industrial Estate, Subash Nagar, Jogeshwari (East), Bombay-400060, Maharashtra, an Indian Partnership firm, "Indicator switch", February 18, 1974.
- Class 3. No. 141678. Ashish Art Industries, of Agadi Industrial Estate, Subash Nagar, Jogeshwari (East), Bombay-400060, Maharashtra, an Indian Partnership firm, "Socket", February 21, 1974.
- Class 3. No. 141713. Laboratories Vifor (India) Pvt. Ltd., an Indian Company of 85, Dr. Annie Beasant Road, Worli, Bombay-400018, Maharashtra, "Disposable vial", March 4, 1974.
- Class 3. No. 141926. Bombay Forgings Private Ltd., an Indian Company incorporated in India under the Indian Companies Act, at Wavell House, Graham Road, Bombay-1, State of Maharashtra, India, "The former or body of a tooth brush", June 6, 1974.
- Class 3. No. 141929. Aurobrite (India) Private Ltd., of 408, Himalaya House, Falton Road, Bombay-1, Maharashtra State, India, an Indian Company, "A bead", June 7, 1974.
- Class 3. No. 141933. Kwaliti Plastics, Unit 13, Building "A", Singh Industrial Estate, Ram Mandir Road, Goregaon (West), Bombay-400062, Maharashtra State, India, an Indian Partnership Firm, "Container with ball pen", June 11, 1974.
- Class 3. No. 141943. New Gift Ear (an Indian Partnership Firm), D/5, Sangam Bhavan, Opp. Strand Cinema, Colaba, Bombay-5, Maharashtra. "Tumbler", June 17, 1974.
- Class 3. No. 141946. Telerad Private Limited, a Company registered under the Companies Act, 1956, at Saki Vihar Road, Chandivali, P. B. 8929 Bombay-72, Maharashtra, "Radio", June 20, 1974.
- Class 3. No. 141948. Dunlop Limited, British Company, of Dunlop House, Ryder Street, St. James's, London S. W. 1, England. "Tyre for a vehicle wheel", June 21, 1974.
- Class 3. No. 141951. Asian Advertisers, (an Indian Partnership Firm), 20, Kala Bhavan, 4th floor, 3, Mathew Road, Opera House, Bombay-4, Maharashtra, "Paper slip container", June 22, 1974.
- Class 3. No. 141952. Asian Advertisers (an Indian Partnership Firm), 20, Kala Bhavan, 4th floor, 3, Mathew Road, Opera House, Bombay-4, Maharashtra, "Container", June 22, 1974.
- Class 3. No. 141953. Asian Advertisers, (an Indian Partnership Firm), 20, Kala Bhavan, 4th floor, 3, Mathew Road, Opera House, Bombay-4, Maharashtra, "Ball Pen", June 22, 1974.
- Class 3. Nos. 141957 & 141958. Bata India Limited, a limited Company incorporated under the Indian Companies Act, at 30, Shakespeare Sarani, in the town of Calcutta, West Bengal, "A sole for footwear", June 26, 1974.
- Class 3. Nos. 141962 & 141963. Minimax Enterprises (an Indian Partnership Firm), 5, Divya Darshan, 5, Vallabh Nagar Society, 5th Floor, Juhur Scheme, Vile Parle (West), Bombay-400055, Maharashtra State, India, "Key chain", June 27, 1974.
- Class 3. Nos. 141967 & 141968. Kaycee Industries Limited, a Company incorporated in India, Kamani Chambers, Nicol Road, Ballard Estate, City of Bombay, State of Maharashtra, India, "Handle for electrical switches", June 28, 1974.
- Class 3. No. 141970. Kaycee Industries Limited, a Company incorporated in India, Kamani Chambers, Nicol Road, Ballard Estate, City of Bombay, State of Maharashtra, India, "Flush plate for electrical switches", June 28, 1974.
- Class 3. No. 141971. Kaycee Industries Limited a Company incorporated in India, Kamani Chambers, Nicol Road, Ballard Estate, City of Bombay, State of Maharashtra, India, "Base plate for electrical switches", June 28, 1974.
- Class 3. No. 141972. Kaycee Industries Limited. A Company incorporated in India, Kamani Chambers, Nicol Road, Ballard Estate, City of Bombay, State of Maharashtra, India, "Disc for electrical switches", June 28, 1974.
- Class 3. No. 141973. Kaycee Industries Limited, a company incorporated in India, Kamani Chambers, Nicol Road, Ballard Estate, City of Bombay, State of Maharashtra, India, "Escutcheon plate for electrical switches", June 28, 1974.
- Class 3. Nos. 141985 & 141986. Enkay (India) Rubber Company Private Limited, 156-D, Kamla Nagar, Delhi-7, a private limited company incorporated under the Indian Companies Act, "Valve for football bladders", June 29, 1974.
- Class 3. Nos. 141989 to 141991. Helix Latex Industries, C-11/6, Ashiana-i-Iqbal, Model Town, Delhi-9, an Indian partnership firm, "Valve for football bladders", June 29, 1974.
- Class 10. Nos. 141959 & 141960. Bata India Limited, a limited company incorporated under the Indian Companies Act, at 30, Shakespeare Sarani, in the town of Calcutta, West Bengal, "Footwear", June 26, 1974.
- Class 13. Nos. 141706 to 141711. Vichitra Printing Works, 39, D.L.F. Industrial Area, Kirti Nagar, New Delhi-15, an Indian Partnership concern, "Textile sarces", March 4, 1974.

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